



Jauwairia Nasir

Professional Goals

I aspire to create a social difference with my interdisciplinary research on user-centered and AI powered Human-Robot Interaction in social domains. I have 9+ years of research experience.

Email:

jauwairianasir@gmail.com

Languages Spoken:

English, Urdu, Punjabi, Korean (B2), French (A1/A2), Learning German

Nationality:

USA/Pakistani

Technical Skills:

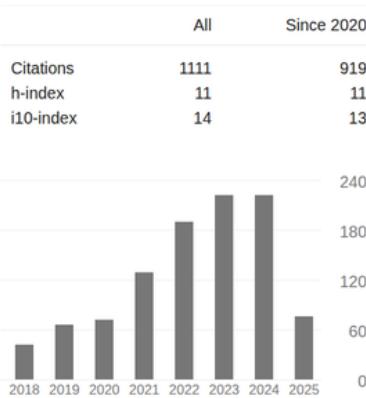
Machine Learning, Gen AI, ROS, Python, Pandas, Jupyter notebook, Latex, Git, sklearn, keras, Data Analytics

Transversal Skills:

Leadership, Public Speaking, Determination, Adaptability, Collaboration, Communication, Multitasking.



Jauwairia Nasir



Education

École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland

PhD in Robotics Control and Intelligent Systems | EU Horizon Marie Curie ITN Fellow at ANIMATAS | September 2018 - October 2022

Finalist for the Doctoral Program Thesis Distinction 2023

Preselected by EPFL for the Lopez-Loreta Prize (1 million Euros to top graduate upon winning)

- Computer Human Interaction for Instruction and Learning Lab

- Supervisor: Prof. Pierre Dillenbourg, co-supervisor: Prof. Barbara Bruno

- Led or co-led user studies with ~360 participants, mainly children

- PhD jury: Prof. Elisabeth André, Prof. Silvia Rossi, Prof. Tanja Käser

Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea

Masters in Electrical Engineering and Computer Science | September 2014 - August 2016

- Robot Intelligence Technology Lab

- CGPA 3.90/4.3 (4.3 is highest), MSc. Thesis Supervisor: Prof. Jong-Hwan Kim

NUST School of Electrical Engineering and Computer Sciences (NUST-SEECS), Islamabad, Pakistan

BSc. in Electronics Engineering | October 2008 - August 2012

- CGPA 3.85/4.00 (4.00 is highest), Final Year project supervisor: Prof. Yasar Ayaz

Research & Professional Experience

Chair of Human-Centered Artificial Intelligence, University of Augsburg, Augsburg, Germany

Postdoctoral Researcher | March 2023 - Present

Working on human-computer/robot interaction in several application areas such as education, and healthcare.

NYU Abu Dhabi, Abu Dhabi, UAE

Visiting Researcher | January, 2024

- At Social Machines and RoboTics Lab (SMART) with Prof. Hanan Salam

Sorbonne University, Paris, France

Visiting Researcher at ISIR | October - December, 2019

- At Institute of Intelligent Systems and Robotics with Prof. Mohamed Chetouani

Four

Consultant | April 2017 - November 2017

A startup (fourgroup.co), at the intersection of AI and healthcare, that focuses on developing sustainable healthcare systems. I contributed to technical and design feedback, conducted interviews with the targeted medical audience, represented the company at events, and met with potential hires.

KAIST, Daejeon, South Korea

Research Scholar | September 2016 - February 2017

Worked on cognitive architectures for service robots for task planning, and motion planning for autonomous agents

Publications

Journal Publications

- J. Nasir, B. Bruno, and P. Dillenbourg, *Social Robots as Skilled Ignorant Peers for Supporting Learning*, Frontiers in Robotics and AI, vol. 11, 2024.
- J. Nasir, M. Abderrahim, A. Kothiyal, and P. Dillenbourg, *Temporal Pathways to Learning: How Learning Emerges in an Open-ended Collaborative Activity*, in Computers & Education: Artificial Intelligence, 2022.
- J. Nasir, A. Kothiyal, B. Bruno, and P. Dillenbourg, *Many Are The Ways to Learn: identifying multi-modal behavioral profiles of collaborative learning in constructivist activities*. in International Journal of Computer-Supported Collaborative Learning (IJCSCL) 2021.
- J. Nasir, B. Bruno, M. Chetouani, and P. Dillenbourg, *What if Social Robots Look for Productive Engagement?*. in Int. Journal of Social Robotics (2021).
- C. Oertel, G. Castellano, M. Chetouani, J. Nasir, M. Obaid, C. Pelachaud, and C. E. Peters, *Engagement in Human-Agent Interaction: An Overview*, in Frontiers in Robotics and AI (2020).
- P. Dillenbourg, K. Kim, J. Nasir, T. Yeo, J. Olsen, *Applying IDC theory to education in the Alps region: a response to Chan et al.'s contribution*. Research and Practice in Technology Enhanced Learning, 2019.
- J. Nasir, Yong-Ho. ; Kim D.-H.; Kim Jong-Hwan, *User Preference-based Dual-Memory Neural Model with Memory Consolidation Approach*, in IEEE Transactions on Neural Networks and Learning Systems (2017).
- J. Nasir., ; Kim D.-H.; Kim Jong-Hwan, *ART neural network-based integration of episodic memory and semantic memory for task planning for robots*. Autonomous Robots, 2019.
- J. Nasir, ; Islam, F.; Malik, U. ; Ayaz, Y. ; Hasan, O. , *RRT*-Smart: Rapid Convergence Implementation of RRT**, in Int. J. Adv. Robot. Syst, Jun. 2013.
- J. Nasir., ; Islam, F.; Ayaz, Y. , *Adaptive rapidly-exploring-random-tree-star (RRT*)-smart: algorithm characteristics and behavior analysis in complex environments*. Asia-Pacific Journal of Information Technology and Multimedia, 2013.

Conference Publications

- A. Alzahrani, J. Nasir, A. J. Tayeb, E. André, M. I. Ahmad, *What Do the Face and Voice Reveal? Investigating Trust Dynamics During Human-Robot Interaction*. Accepted in 20th ACM/IEEE International Conference on Human-Robot Interaction (HRI '25), Melbourne, Australia.
- S. Höhn, J. Nasir, D. C. Tozadore, A. Paikan, P. Ziafati, and E. André. 2024. *Beyond Pretend-Reality Dualism: Frame Analysis of LLM-powered Role Play with Social Agents*. In Proceedings of the 12th International Conference on Human-Agent Interaction (HAI '24). Association for Computing Machinery, New York, NY, USA, 393–395. <https://doi.org/10.1145/3687272.3690894>
- S. Höhn, J. Nasir, E. André, P. Ziafati, A. Paikan, *Using Large Language Models for Robot-Assisted Therapeutic Role-Play: Factuality is not enough!* The ACM Conversational User Interfaces (CUI) conference, Luxembourg city, Luxembourg, 2024
- J. M. Kuch, J. Nasir, S. Mertes, R. Schlagowski, C. Becker-Asano, E. André. *Evaluating Gender Ambiguity and Anthropomorphism in Humming and Talking Voices for Robots*. 2024 33rd IEEE International Conference on Robot and Human Interactive Communication (RO-MAN), Pasadena, California, USA 2024.
- A. Schütt, T. Huber, J. Nasir, C. Conati and E. André. *Does Difficulty even Matter? Investigating Difficulty Adjustment and Practice Behavior in an Open-Ended Learning Task*, in arXiv, 2023, 2311.01934. Accepted at the International Conference on Learning Analytics & Knowledge (LAK), Kyoto, Japan. 2024.
- D. C. Tozadore, J. Nasir, S. Gillet, R. V. D. Berghe, A. Guneysu, and W. Johal. 2023. *Robots for Learning 7 (R4L) A Look from Stakeholders' Perspective*. In Companion of the 2023 ACM/IEEE International Conference on Human-Robot Interaction (HRI). Stockholm, Sweden. pp. 935–937
- J. Nasir*, M. Abderrahim*, B. Bruno, P. Dillenbourg, *An HMM-based Real-time Intervention Methodology for a Social Robot Supporting Learning*, in 32nd IEEE International Conference on Robot & Human Interactive Communication (RO-MAN), Republic of Korea. RSJ Pioneering Research Award. And Finalist for Best Paper Award.
- J. Nasir*, A. Kothiyal*, H. Sheng, & P. Dillenbourg. *To speak or not to speak, and what to speak, when doing task actions collaboratively*. Proceedings of the 16th International Conference on Educational Data Mining (2023) 194–206.
- J. Nasir, P. Oppliger, B. Bruno, and P. Dillenbourg, *Questioning Wizard of Oz: Effects of Revealing the Wizard behind the Robot*. in 31st IEEE International Conference on Robot & Human Interactive Communication (RO-MAN), 2022.
- H. Salam, V. Vikashini, J. Nasir, O. Celiktutan, and B. Bruno. *Personalized Productive Engagement Recognition in Robot-Mediated Collaborative Learning*. in the 24th ACM International Conference on Multimodal Interaction (ICMI), 2022
- J. Nasir*, U. Norman*, B. Bruno, and P. Dillenbourg, *When Positive Perception of the Robot Has No Effect on Learning*, in 2020 29th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN), Naples, Italy, 2020.
- J. Nasir, B. Bruno, and P. Dillenbourg. *Is There 'ONE way' of Learning? A data-driven approach*. Companion publication of the 2020 International Conference on Multimodal Interaction (ICMI) 2020.
- J. Nasir, U. Norman, B. Bruno, and P. Dillenbourg, *You tell, I do, and we swap until we connect all the gold mines!*. Educational Technology, 2020.



- J. Nasir*, U. Norman*, W. Johal, J. K. Olsen, S. Shahmoradi and P. Dillenbourg, *Robot Analytics: What Do Human-Robot Interaction Traces Tell Us About Learning?*, 2019 28th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN), New Delhi, India, 2019, pp. 1-7
- L. Hamamsy, W. Johal, T. Asselborn, J. Nasir, P. Dillenbourg. *Learning by collaborative teaching: an engaging multi-party cowriter activity*, 2019 28th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN), New Delhi, India, 2019,
- S. Shahmoradi, J. Olsen, S. Haklev, W. Johal, U. Norman, J. Nasir, P. Dillenbourg. *Orchestration of robotic activities in classrooms: challenges and opportunities*. European Conference on Technology Enhanced Learning, 2019.
- Islam, F.; Nasir, J. ; Malik, U. ; Ayaz, Y. ; Hasan, O. , *RRT*-Smart: Rapid Convergence Implementation of RRT* Towards Optimal Solution*, in proceedings of International Conference of Mechatronics and Automation, China 2012.

Open Source Datasets

- Nasir, J., Bruno, B., & Dillenbourg, P. (2023). Data for research on Social Educational Robots driven by a Productive Engagement Framework (Version v1) [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.10037620>
- Nasir, J., Norman, U., Bruno, B., Chetouani, M., & Dillenbourg, P. (2021). PE-HRI: A Multimodal Dataset for the study of Productive Engagement in a robot mediated Collaborative Educational Setting [Data set]. Zenodo.
- Nasir, J., Bruno, B., & Dillenbourg, P. (2021). PE-HRI-temporal: A Multimodal Temporal Dataset in a robot mediated Collaborative Educational Setting [Data set]. Zenodo.
- Norman, U., Dinkar, T., Nasir, J., Bruno, B., Clavel, C., & Dillenbourg, P. (2021). JUSTthink Dialogue and Actions Corpus (v1.0.0) [Data set]. Zenodo.

Teaching Experience

Overall, I contribute in *preparing curriculum, teaching, leading and managing lab sessions, giving feedback, and checking exams*.

Lecturer

University of Augsburg | 2024- present

- Introduction to Human-Computer Interaction, 2024
- Human-Robot Interaction (developed from scratch), teaching in spring 2025

Guest Lecturer

Machine Learning for Behavioral Data | EPFL | April 2022

Teaching Assistant

École Polytechnique Fédérale de Lausanne (EPFL) | 2019 - 2022

- Introduction to Visual Computing (Spring 2019, Spring 2020)
- Robotics Practicals (Spring 2021, Spring 2022)

Advising

Co-supervising several PhD students

Chair of Human-Centered AI, University of Augsburg | March 2023 - present

- Andreas Wildner, Thomas Kiderle, Anan Schütt

Supervised Bachelors/Masters Semester Projects and Research Fellows (~120 ECTS credits)

École Polytechnique Fédérale de Lausanne (EPFL) | 2019 - 2022

- (23 ECTS credits/Semester) Mortadha Abderrahim, MSc. Research Scholar in Computer Science for 1 year
- (8 ECTS credits) Laura Mathex on 'Does a Conversational Robot's Gaze Behavior Affect the Robots Perception and How Users Distance Themselves from the Robot Psychologically?'
- (8 ECTS credits) Anne Donnet on 'In a competitive setting, is an explicit robot better than an implicit robot?'
- (8 ECTS credits) Mortadha Abderrahim on 'Trends in multi-modal behavioral state transitions for learners in a robot mediated human-human collaborative activity'
- (8 ECTS credits) EL Mekki Malek on 'Sequence mining to analyse learner's action patterns in a robot mediated human-human collaborative activity'
- (8 ECTS credits) Leandro Graziano on 'Developing a Natural Interaction Robot Behavior Module for QTrobot'
- (12 ECTS credits) Haoyu Sheng on 'To speak or not to speak when doing task actions collaboratively – does it matter?'
- (12 ECTS credits) Pierre Oppiger on 'Master of Puppets - Social Robotics version'
- (12 ECTS credits) William Ovensanga on 'Robots with Personality!'

External Examiner

- Master's thesis at EPFL in July 2023 on "Data-Driven Pen Grasp Analysis for Handwriting" by Zeyi Li

* One ECTS credit corresponds to approximately 30 hours of work, including homework and preparation for exams or presentations.

Honors, & Awards

- *Selected as a Rising Woman Star in Social Robotics* at 2025 International Conference on Social Robotics + AI
- *Special Recognition for Outstanding Reviews for ACM/IEEE International conference on HRI, 2024 Main Track*
- *RSJ Pioneering Research Award*, 32nd IEEE International Conference on Robot & Human Interactive Communication (ROMAN), 2023

- *Best Paper Award Finalist*, 32nd IEEE International Conference on Robot & Human Interactive Communication (ROMAN), 2023
- Preselected by EPFL for the *Lopez-Loreta Prize* (1 million Euros to top graduate upon winning)
- Finalist for the *Doctoral Program Thesis Distinction 2023*
- Nominated and Finalist for 'Hidden Figures Award 2020' by TechFace, Switzerland
- Selected for EU Horizon *Marie Curie ITN Fellowship* (2018-2022)
- *Travel Grant for Women in Machine Learning* workshop in conjunction with NuerIPs, 2016
- Won *Korean Government Scholarship* (KGSP) 2013-2016
- Won partial Erasmus Mundus Scholarship 2013
- Won the *Pakistan National Engineering Robotic Competition* 2011.
- Nominated for *Rectors Gold Medal Award* for Best Final Year Project.
- Received *three NUST SEECS Student Appreciation Awards* in 2012 during my bachelors.
- Finished *Second* in my Batch of around 200 Electronics students
- Received *GPA Based Scholarship* in all Semesters of Bachelors

Grants

Lopez Loreta Prize 2025 as main applicant (submitted)

Title: 'Next Generation Democratic Machines for Population with Internalizing Disorders'

The Lopez-Loreta Prize, an invitation-only call for proposals, awards EUR 1 million to top graduates from four prestigious Swiss and French higher education institutions. This award is intended to allow selected candidates to carry out their own exceptional scientific or entrepreneurial project over a five-year period.

DFG Proposal for DFG open call as co-PI (submitted)

Title: 'Conversational AI for Retail Training (CART)'

Together with: Luxembourg Institute of Science and Technology (LIST), and Vocational school Nördlingen

DFG Proposal for DFG open call as co-PI (under preparation)

Title: 'Autonomous Socially Assistive Robots for elevating patient-caregiver interaction'

Together with: Munich University Institute for Child and Adolescent Psychotherapy Training (MUNIK) at Ludwig Maximilian University of Munich (LMU)

Equal Opportunities Grant from Faculty of Applied Computer Science, University of Augsburg (5k Euro)

To organize a national workshop titled: 'Latest Advances in Diversifying Artificial Intelligence" in 2023.

EU Horizon 2020 Marie Skłodowska-Curie Innovative Training Networks (H2020-MSCA-ITN-2020)

Fellowship

This fellowship supported my PhD

Korean Government Scholarship (~20000 Euros and full coverage for Master's degree program)

Fully covered my research based Masters Degree at KAIST

Travel Grant for Women in Machine Learning workshop in conjunction with NuerIPs, 2016

Merit based scholarship in all semesters of Bachelors

Invited Talks

Elevating Connection: Navigating Human-Centric Solutions in Human-Machine Interaction

Scientific Symposium at Max Planck Institute for Intelligent Systems | February 2024

Keynote talk on Context Aware HRI in Educational Settings

Workshop on Multidisciplinary Perspectives on COntext-aware embodied Spoken Interactions, 32nd IEEE ROMAN | August 2023

In Pursuit of Goal-centric Social Robots in Educational HRI

AFAR Lab, University of Cambridge | March 2022

What if Social Robots Look for Productive Engagement?

Talking Robotics | June 2021

In Pursuit of Goal-centric Social Robots in Educational HRI

NLP Zurich | June 2021

Interview Contribution to a white paper on Advancing Women in AI

ImpactIA and Women in Digital Switzerland 2021

Can AI Help in Understanding Cognitive and Motor Skills of Learners?

WeTechTogether Conference 2020

Leveraging AI to Understand Cognitive and Motor Skills of Learners

Global WAI Summit 2020

Selected External Research Collaborations

Vicky Charisi | Harvard University; Sviatlana Hoehn | LuxAI, July 2024 - Present (Ethical Use of Speech Technology and LLMs in Consumer Products for Autism: Social Robot-assisted Role Play)

Muneeb I. Ahmad, Abdullah Alzahrani | Swansea University, July 2024 - Dec 2024 ([Paper](#) - What Do the Face and Voice Reveal? Investigating Trust Dynamics During Human-Robot Interaction)

Hifza Javed | Honda Research Institute USA; Anotonio Andriella| AIRI, Spanish National Research Council (CSIC); Winyong Lee | Handong Global University, April 2024 - Present ([Research Topic on Innovative Methods in Social Robot Behavior Generation](#))

Wafa Johal | The University of Melbourne; Daniel Tozadore | University College London; Michelle Neumann | Southern Cross University, March 2023 - Present ([Research Topic on Advances in Robots for Learning](#))

Maha Elgarf | NYU Abu Dhabi, November 2023 - Present (Metaanalysis on Socially Assistive Robots for people with psychological, neurodevelopmental, and neurodegenerative disorders)

Barbara Bruno | Karlsruhe Institute of Technology, November 2023 - Present (Multimodal humor generation for social agents)

Tanvi Dinkar | Heriot Watt University, August 2023 - Present (An Ethical lens on Language, Anthropomorphism and LLMs in HRI)

Sviatlana Hoehn | LuxAI, July 2023 - Present (LLMs powered role-playing companions - [Paper1](#), [paper2](#))

Cristina Conati | British Columbia University, July 2023 - Present (Adaptation of Productive Engagement framework in a novel setting)

Corinna Reck, Tobias Schuwerk, Mitho Müller | LMU Munich, , March 2023 - Present (Socially Assistive Robots for child-caregiver interactions)

Mohamed Chetouani | Sorbonne University, October 2019 - October 2022 ([Paper](#))

Justine Cassell | INRIA, March 2022 - July 2022 (Shared our research data via an NDA)

Hanan Salam | NYU Abu Dhabi, Nov 2021 - May 2022 ([Paper](#))

Oya Celiktutan | King's College London, Nov 2021 - May 2022 ([Paper](#))

Catharine Oertel | TU Delft, 2019 - Aug 2020 ([Paper](#))

Ginevra Castellano | Uppsala University, Feb 2020 - Aug 2020 ([Paper](#))

Christopher Peters | KTH Royal Institute of Technology, Feb 2020 - Aug 2020 ([Paper](#))

Catherine Pelachaud | Sorbonne University, Feb 2020 - Aug 2020 ([Paper](#))

Mohammad Obaid | Chalmers University of Technology, Feb 2020 - Aug 2020 ([Paper](#))

Academic Service

- Co-organizing a special session on *Explainable Human-Robot Interaction* at IEEE RO-MAN 2025
- Co-organized and PC member for *AAAI 2025 D&I Workshop on Exploration of essential practices around use of Foundation Models in real-world settings*
- Short Contributions co-chair for *International Conference on Social Robotics 2025*
- PC Member for the *24th International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, 2025, Detroit
- Publications chair for the *ACM/IEEE International Conference on Human-Robot Interaction (HRI)*, 2025, Australia.
- Publicity chair for the the *12th International Conference on Human-Agent Interaction (HAI)*, 2024, UK.
- Led the organization of *RO-MAN 2024 1st edition workshop on Trends in Socially Assistive Robots*
- Co-organized *RO-MAN 2024 workshop on Weighing the benefits of Autonomous Robot personalisation*
- Organized a one day *Workshop on Latest Advances in Diversifying Artificial Intelligence* at University of Augsburg, October, 2023
- Co-organized *RO-MAN 2023 8th edition workshop on Robots for Learning: AI to power robots*
- Co-organized *HRI 2023 7th edition workshop on Robots for Learning: A look from stakeholders' perspective*
- Organized *Student Design Competition at HRI 2023 on the topic of "Affordable Robots"*
- Student Design Competition chair for *ACM/IEEE International Conference on Human-Robot Interaction (HRI)*, 2023, Sweden.
- Co-organized a global Symposium in Schwarzsee Switzerland on '*Human-Machine Interaction: Perception, Social Learning, Personalised Adaptation in Educational Settings*', in an hybrid format gathering from 12-14 October 2021.

- Co-organized winter school on '*Developing Technologies in Educational Settings*' at EPFL, 5-8 February, 2019
- **Co-editor** on Frontiers Robotics and AI journal research topic *Innovative Methods in Social Robot Behavior Generation*, 2024-2025
- **Co-editor** on Frontiers Robotics and AI journal research topic *Advances in Robots for Learning*, 2024
- Handling editor/Associate editor at Frontiers in Robotics and AI, 2023
- In **Program Committee** for *ACII 2024*, and as 1AC for *HAI, 2023*,
- **Reviewer for several conferences and journals** such as HRI 2019, 2020, 2021, 2023, 2024; ROMAN 2022, 2023, 2024; IEEE RA-L, ICRA 2021, IEEE Transactions on Neural Network and Learning Systems 2017, International Journal of Child-Computer Interaction 2020, 2021, International Journal for Intelligent Service Robots 2022, HAI, 2023, International Journal of Social Robotics 2023, 2024
- Member of **NCCR Robotics** 2018-2022
- **Demos at public events** such as Swiss Robotics Industry Days 2019, Open House event EPFL (Portes Ouvertes) 2019

Leadership & Equal Opportunities Work

Head of Initiatives at WAILabs

Women in AI | February 2023 - Present

Responsible for leading the mobilization of the women in AI (WAI) global community to conduct workshops, women lunches, in relevant conferences, as well as joint research paper collaborations.

- Co-organized **AAAI 2025 D&I Workshop** on Exploration of essential practices around use of Foundation Models in real-world settings
- Organized a one day national **Workshop on Latest Advances in Diversifying Artificial Intelligence** at University of Augsburg with international expert speakers, October, 2023

Education & Research Ambassador Switzerland

Women in AI | May 2019 - December 2022

It is a community-driven global initiative where we organize events & articles for promoting unbiased AI that benefits global society.

- Led the organization of WAICamp 2020: *A Day of Exchange and Discovery for Girls* (cancelled day before due to covid)
- Co-organized the flagship event WAI Talk on *The Dark side of AI* 2020 targeting AI professionals,
- Co-organized a workshop/hackathon on *AI for Equality* at WeTechTogether Conference, 2021
- Participated in writing an article on *AI landscape in Switzerland*
- Interview Contribution to a white paper on *Advancing Women in AI* by ImpactIA and Women in Digital Switzerland
- Invited for several talks

Co-founder and President (Alumni)

International Student and Scholar Academic Council (ISSAC) | KAIST, Republic of Korea

A platform for connecting, networking and generating ideas for the international students at KAIST with its alumni, academia and industry.

- Organized several events including *industry trips to Hyundai Motor Company*
- Workshops on Python, Java and web development
- Invited as founders to represent International students in Korea at the *International Student Symposium in Turkey*, 2016

Mentor and Moderator

Scholarship Network Pakistan | 2015 - 2019

Biggest non-profit platform (on Facebook) in Pakistan, with almost a million members, that provides guidance to students from Pakistan, particularly from underrepresented communities, for accessing and excelling at national and international study programs, and scholarship opportunities.

Personal Roles and Interests

- *Happiness Manager at CHILI Lab, EPFL*, 2019-2022
- Travel photography and blogging
- Nature
- Painting and other artwork