SHREYA KOHLI

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LinkedIn Profile-Link

PERSONAL PROFILE

Enthusiastic and goal-oriented, having worked on multinational projects gives me the understanding of different organizational dynamics. Led by the vision to expertise in technical domain while constantly improving my management skills.

SKILLS AND COMPETENCIES

Skill	Level
Leadership	●●●
Creativity	●●●
Public -Speaking	●●○
Problem Solving	●●○
Teamwork	●●○
Time Management	●●○
MATLAB	●●●
Machine/Deep learning	●●○
C, C++,Python	●●○
Signal Processing	●●○
3-D modeling	●●○
Embedded Programming	●●○
Computer Vision	●●○
Linux, RTOS	●●○

LANGUAGE PROFICIENCY

Language	Level
English	●●●
Hindi	●●●
Swedish	●○○

COCURRICULAR INTERESTS

- Dancing
- Reading about Psychology & Neuropsychology
- Trekking

ACCOMPLISHMENTS

1. One of the organizers of VR_Sci Fest 2018 at Kungliga Tekniska högskolan University, Sweden (Credentials)
2. 100% Merit scholarship for 1st year of Bachelor's in Electronics and Communication Engineering.
3. Awarded with the title of "Best in Creativity" by Amity University.
4. A part of the organizing team at the 3rd, 4th, 5th and 6th "International Conference on Signal Processing and Integrated Networks" at Amity University, Uttar Pradesh.

WORK EXPERIENCE

Technical Internships

1. KTH Royal institute of Technology   *June '20-Present*

Research Engineer at the Robotics, perception and learning lab. Granted Research Fellowship as a part of the RPL fellowship programme.

2. BAETES Technology, Stockholm, Sweden *June '18-July' 18*

Responsible for the development, designing and implementation of 3D models of products for various clients.

3. Nagarro AB, Stockholm, Sweden   *June '18-July' 18*

Project based on Assisted Reality on Smart glasses. Demonstration and presentation of the developed application for Clients.

4. Radobotics Pvt Ltd, New Delhi, India   *June '17-July '17*

5. GVC systems, Sector 125, Noida, India   *June '17-July '17*

Research Internships

1. Pamoja Cleantech AB, Sweden   *June '18-Jan '19*

A research collaboration between KTH university, Sterling engine company Inresol and Pamoja based on Hybrid energy systems.

Other Experiences/Positions

1. Event Manager at Utnarm

Uppsala teknolog-och naturvetarkår   *April'20-Present*

2. Digital Ambassador of Uppsala University

Uppsala University, Sweden   *September '19-Present*

3. The Indian Ambassador of Womanhood

Feelgood Womanhood NGO, Sweden   *May '18-April '20*

ACADEMIC HISTORY

MSc in Embedded systems
Uppsala University, Uppsala, Sweden   *2019-Present*

Bachelor of Technology in Electronics and Communication Engineering
Amity University, Noida, India   *2015-2019*

High School
Delhi Public School, Dwarka, India   *2013-2015*

PROJECTS AND PUBLICATIONS

1. Developed a Hand gestures based Furhat Virtual Agent recipe suggestion AI system using landmarks.
2. Deep Q Learning implementation on classic style games.
3. Automatic motion tracking of prawns in a petri dish.
4. Spatio-temporal Attention for Image Recognition using Gradcam.
5. Machine learning based Data driven algorithms for feature extraction in real-time & its wireless transmission using Raspberry-pi. Outcome: IEEE Research paper link
6. Development of a microcontroller-based vehicle number plate recognition system using GSM module. Outcome: IEEE Research paper **link**
7. Fuzzy logic based Egg Incubator using LabView and MATLAB developed on Arduino board. Outcome: IEEE Research paper **link**
8. Implemented an Elevator Control System in C and FreeRtos. STM32F103 microcontroller was used to access sensors and actuators. Involved simulating and Testing the implementation.
9. Multi-layer Deep Neural Network Algorithm developed on MATLAB using Back propagation algorithm (Credentials)