

SYED JAWAD AKHTAR

@ syedjawadakhtar@gmail.com +358-468934685 Oulu, Finland
www.syedjawadakhtar.github.io in syed-jawad-akhtar syedjawadakhtar



As a recent graduate from the UoOulu with a foundation in robotics, software engineering, and machine learning, my objective is to work on projects that offers challenging opportunities in software research & development in ML/AI and DevOps.

EDUCATION

Master in Computer Science and Engineering

University of Oulu

2021 – 2023 Oulu, Finland

Masters thesis: **A motion control method for a differential drive robot based on human walking for immersive telepresence**

Courses taken: Distributed systems, Programmable web project, Software development, maintenance & operations, Big Data, IoT.

EXPERIENCE

Freelancer

December 2023 – Present India

- Creating a financial dashboard for real estate business.
- Uses: MongoDB, Node.js, Typescript, React, Express.js.

Research Assistant

Perception Engineering Group, UBICOMP, University of Oulu

June 2022 - August 2023 Oulu, Finland

- Improved Human-Computer Interaction of DDR telepresence robots with 360° cameras & VR headsets.
- Reinforcement Learning (RL) and robotics control considered future aspects of project.

Chairperson

Autonomous Underwater Vehicle (AUV) - (Marine Technological Society) - ZHCET

August 2019 – July 2020 Aligarh, Uttar Pradesh

- Mentored MATE ROV competition.
- Conducted vehicle simulations in Gazebo for enhanced AUV performance and led AUV acoustic localization research and development.

Research Internship

The University of Kiel

June 2019 – August 2019 Kiel, Germany

Contributed to research publications by applying analytical Artificial Neural Networks (ANN) for the prediction of thermal conductivity in sands and rocks.

TECH SKILLS

Python, C/C++, AI/ML, Keras ★★★★★
Git, Jira, Linux, UML ★★★★★
C#, SQL, RESTful API, Flask ★★★★★
MATLAB, Simulink, Labview ★★★★★

PROJECTS

Movie Review Project

University of Oulu

2022 Finland

Targeted Advertising using IoT

University of Oulu

2021 Finland

Fake News Detection

University of Oulu

2022 Finland

Deep Reinforcement Learning on AUVs - Final Year Project

Zakir Husain College of Engg. & Tech.

2020 India

ACHIEVEMENTS

Startup Weekend Oulu 2023
Won 3rd place pitching an idea-Sinimarja [\[Link\]](#)

Nokia Hackathon 2022
Show-cased a solution and demo for solving problems related to farming & middle-men [\[Link\]](#)

Singapore AUV Challenge 2018
Led the team and won the Best AUV award

Co-Founder of AUV ZHCET Club
Raised ~400k INR in the first year

Top 4 Idea Presentations
"AUV Surveillance" at Inspiring Entrepreneurs Summit 2018, Saudi Arabia