



Sumit kumar Sahoo

📍 Home : Finland

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Work permit: Finnish Gender: Male Nationality: Indian

ABOUT MYSELF

A motivated and technically skilled Master's student in Smart Energy with a major in Robotics at the University of Vaasa, combining strong academic foundations with hands-on project experience in machine vision, machine learning and automation. Experienced in developing Optimized Machine learning models, innovative quality control systems and working on real-world simulations involving robotics, energy systems, and autonomous technologies.

I am passionate about sustainable technologies, smart city innovations, and the integration of intelligent systems in energy and manufacturing sectors. Seeking opportunities to contribute to forward-thinking organizations that value innovation and impact.

I also have past experiences in IT cloud infrastructure management, Project management and IT system administration and support.

I have long term valid work permit and open to relocate.

SKILLS

PYTHON | embedded c programming | C programming | Applied Machine Learning | Computer vision | tensorflow,pytorch | OPenCV | SQL | PowerBI | AWS, Azure | Machine Vision | GNSS | MATLAB | Intelligent Robotics | Linux (Terminal Commands, Bash/Shell) | RobotStudio Suite | ABB Robotics | ROS | Production Simulation | visual component | Project Management | Amazon Connect | Cloud&Container Platform: AWS, MS Azure, Google Cloud, Kubernetes, OpenShift, Docker, Rancher | Network Maintenance and Troubleshooting | Active Directory Administrative Tools | Teraform | Microsoft Azure (Azure Datafactory, Azure DevOps, Azure Storage Explorer) | Windows Server (2003 up to 2022 - AD, DHCP, DNS, Print, Backup, etc.) | linux Administartion | windows server adminstration | Problem Solving Skills. ... | Leadership, Decision making, Critical thinking, Relationship building | perform project management

EDUCATION AND TRAINING

[23 Aug 2024 – Current]

Master in Robotics

Vaasa University <https://www.uvasa.fi/en>

Country: Finland |

[1 Jul 2006 – 1 Jul 2010]

bachelor in Information and technology

Biju patnaik university of technology <https://www.bput.ac.in/>

City: Rourkela | Country: India |

PROJECTS

[1 Sep 2024 – 30 Apr 2025]

Completed Academic Hands-on Projects in Master Program

1. 911 call data analysis and IT incidents live dashboard in PowerBilt with maintain SQL Database-Data analysis in Python
2. Production simulation of assembly line for food products using Visual component. - Simulation in Visual component
3. Performance Analysis of a GNSS software-defined Receiver in Matlab
4. Machine learning model for Jammer detection in GNSS signal using Norway jammer dataset collected by Petri and team. - Machine learning model using Python
5. Machine learning model to detect Animal sound recognition using Signal processing and CNN using python. - Machine learning model using Python
6. Image processing and creating 3d model as part of computer vision project.

7. Real time GPS data recording and filtering using KALMAN filter in Matlab as part of navigation technology for automated vehicle system .
8. Robot simulation project using ABB robot studio as part of introduction to robotics project.
9. Embedded C programming on raspberry pi 5
10. ROS hands on Programming

LANGUAGE SKILLS

Mother tongue(s): Hindi

Other language(s):

Finnish

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

English

LISTENING C1 READING C1 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user