europass

Sumit kumar Sahoo

Work permit: Finnish | **Nationality:** Indian | **Gender:** Male | **Phone number:** (+358) 408592672 (Mobile) | **Email address:** Dsumiton@gmail.com | **Website:** https://www.linkedin.com/in/sumitsahoo1989/ | **Website:** https://github.com/DsumitON/Sumit_Resume.git | **Address:** Pori, Finland (Home)

ABOUT ME

I am a motivated and technically skilled Master's student in Smart Energy with a major in Robotics at the University of Vaasa, combining a solid academic foundation with hands-on experience in machine vision, machine learning, robotics, and automation.

With a professional background in IT cloud infrastructure management, project management, and IT system administration, I bring a unique combination of technical expertise and cross-functional experience.

I am currently transitioning from IT infrastructure into the fields of robotics, artificial intelligence, and machine learning, aiming to leverage my background to excel in the development of intelligent systems and automation solutions.

I am passionate about sustainable technologies, smart city innovations, and the integration of intelligent systems that create meaningful impact. I am actively seeking opportunities to contribute to forward-thinking organizations that value innovation, sustainability, and real-world outcomes.

I hold a long-term, valid Type A work permit (specialist category) in Finland and am open to relocation.

SKILLS

Programming & Scripting

PYTHON | embedded c programming | C++ Programming Basics | C programming | MATLAB | SQL

Machine Learning & AI

Applied Machine Learning | Statistics & Mathematics | Computer vision | OPenCV | YOLO | TensorFlow | CNN | Scikit-learn | PyTorch | Keras | Plotly | Algorithms: Decision Trees, Random Forest, SVM, KNN, Gradient Boosting (XGBoost, LightGBM) | Model evaluation & validation (cross-validation, confusion matrix) | Supervised learning (classification, regression) | Unsupervised learning (clustering, dimensionality reduction) | Jupyter Notebooks, Google Colab | Git/GitHub (version control)

Data & Visualization

PowerBI | ServiceNow | Tableau

Cloud Platforms & DevOps

AWS | AZURE | Amazon Connect | GIT | Docker | CI/CD Pipelines (GitHub Actions, Jenkins) | Teraform

Robotics & Simulation

Intelligent Robotics | Machine Vision | GNSS | Sensor Fusion(IMU, LiDAR, Ultrasonic) | SLAM (Simultaneous Localization and Mapping) | Production Simulation | visual component | Robot Kinematics & Dynamics | Sensors & Actuators | RobotStudio (ABB) | (Arduino or Raspberry Pi) | Control Systems | Communication protocols: UART, SPI, I2C | ROS (Robot Operating System) | Gazebo Simulator

Systems & Network Administration

Linux (Terminal Commands, Bash/Shell) | Network Maintenance and Troubleshooting | Active Directory Administrative Tools | Windows Server (2003 up to 2022 - AD, DHCP, DNS, Print, Backup, etc.) | linux Administartion

Project & Soft Skills

Project Management | Problem Solving Skills. ... | Leadership, Decision making, Critical thinking, Relationship building | Agile / Scrum Methodologies

EDUCATION AND TRAINING

23/08/2024 – CURRENT Finland
MASTER IN ROBOTICS Vaasa University

Completed Academic Hands-on Projects in Master Program
01/09/2024 – 21/05/2025
1. 911 call data analysis and IT incidents live dashboard in PowerBi maintaining data in 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

Website https://www.uwasa.fi/en

Link https://github.com/DsumitON/Sumit_Resume.git

01/07/2006 – 01/07/2010 Rourkela, India
BACHELOR IN INFORMATION AND TECHNOLOGY Biju patnaik university of technology

Website https://www.bput.ac.in/

WORK EXPERIENCE

INFOSYS OY

IT OPERATION SPECIALIST – 11/01/2011 – 10/11/2023

- Experienced in IT Cloud Infrastructure Administration across **Microsoft Azure** and **Amazon Web Services (AWS)**
- Served as **Solution Architect for Amazon Connect** cloud-based contact center solutions
- Proficient in **automation scripting** using **Python**, **PowerShell**, and **Bash**
- Skilled in **Windows and Linux system administration**, including performance tuning and troubleshooting
- Knowledgeable in **IT SIAM (Service Integration and Management)** practices
- Strong background in **IT Support** and **Service Desk Management** for enterprise environments
- Competent in **data analysis and visualization** using **Microsoft Power BI** and **ServiceNow Reporting**
- Experienced in **IT Project Management**, including planning, execution, and stakeholder coordination
- Successfully delivered IT solutions in diverse domains: **Banking**, **Retail**, **Manufacturing**, **Logistics**, and **Textile**
- Worked on multiple international and cross-functional IT projects in **Bangalore (India)**, **Sweden**, and **Finland**

Certifications:
- ITIL® 4 Foundation Certification – PeopleCert
- Microsoft Certified: Azure Administrator Associate
- Microsoft Certified: Identity and Access Administrator Associate
- Microsoft Certified: Azure Fundamentals

LANGUAGE SKILLS

Mother tongue(s): **HINDI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
FINNISH	A2	A2	A2	A2	A2
ENGLISH	C2	C2	C2	C2	C2

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