

Ashir Vadakke

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PROFESSIONAL SUMMARY

Master's student specializing in Artificial Intelligence and Robotics, with practical experience in data analysis, machine learning, and AI applications. Proven record in delivering scalable systems, managing teams, and enhancing user experiences.

EDUCATION

Friedrich-Alexander-Universität

Master's Degree in AI and Robotics

Relevant Courses: Robotics, Machine Learning for Engineers, Deep Learning, Algorithm Programming and Data Representation, Data Science

Erlangen, Germany

2024 - Present

VIT University

Bachelor's Degree Electrical and Electronics Engineering

Grade: 1.7, University Rank: 3

Vellore, India

2019 - 2023

Relevant Courses: IoT for Engineers, Java Programming, Probability and Statistics, Electrical Engineering, Industry 4.0, Data-Driven Algorithms, Semiconductor Electronics, VLSI

EXPERIENCE

Head of Technology

Kite India

Nov. 2022 – Mar. 2024

Vellore, India

- Directed a 20-member tech team for a sustainable AI-based travel-tech startup, driving business growth and expansion.
- Planned over 9000 tailor-made trip plans across South Asia, promoting sustainable tourism and achieving a 95% customer satisfaction rate.
- Orchestrated large-scale camping events hosting 3000+ guests worldwide, resulting in a 20% increase in repeat customers.

Full Stack Web Developer

Yumlux

Mar. 2020 – Oct. 2022

Bangalore, India

- Led a team to design and develop websites for over 90 clients, resulting in a 15% increase in client retention.
- Implemented a robust backend using Express and MongoDB, enhancing user experience and operational efficiency.
- Engaged with clients to meet project requirements within tight deadlines, achieving a 98% on-time delivery rate.

EV Design Intern

PANTECH Solutions

Sep. 2019 – Dec. 2019

Chennai, India

- Created a comprehensive electric vehicle model using MATLAB Simulink, reducing design time by 20%.
- Refined EV system configurations in MATLAB Simulink, resulting in smoother torque delivery and a 10–15% improvement in energy efficiency during simulation tests
- Assisted in system integration and optimization, gaining hands-on experience in EV design.

PROJECTS

IoT-based Firefighting Robot

Personal Project

- Engineered an unmanned support vehicle for fire search and extinguishing, reducing response time by 30%.
- Integrated remote control, navigation, and fire detection system, improving operational efficiency by 25%.

IoT-based Garbage Monitoring System

Academic Project

- Designed an Arduino-based system reducing sanitation worker workload by 20% and improving scheduling efficiency.
- Integrated a cloud-based storage and analytics system into the platform, improving workflow speed and enabling real-time access for 10+ team members.

Shopping Assist and Real-time Web App with IoT

Personal Project

- Built an interactive shopping assistant using React.js and Node.js, increasing user engagement by 10%.
- Performed optimization and testing, improving customer satisfaction by 20%.

TECHNICAL SKILLS

Languages: Python, C/C++, Java, JavaScript, LaTeX, HTML/CSS, R, SQL

Libraries/Frameworks: React.js, Node.js, PyTorch, TensorFlow, Langchain, Django, Angular, jQuery, NumPy, OpenCV, Scikit-learn

Developer Tools: Git, GitLab, Google Cloud Platform, AWS, Microsoft Azure, Mendix, Microsoft Power Platform (Power Apps, Power Automate, Power BI), MATLAB Simulink

LANGUAGE SKILLS

German: B2 (Actively Learning)

English: C1 (Highly Proficient)

Other Languages: Hindi, Malayalam, Tamil

VOLUNTEER EXPERIENCE

Information Technology Team

Jan. 2025 – Present

Start Nuremberg

Nuremberg, Germany

- Built internal automation tools using JavaScript and Python, reducing repetitive workload across 4 departments.

HR and Event Head

May. 2024 – Jan. 2025

Enactus Munich

Munich, Germany

- Coordinated logistics and communications across cross-functional teams to deliver high-impact social entrepreneurship initiatives.
- Planned and facilitated workshops and events, engaging over 300 participants.

Student Volunteer

Jul. 2021 – Jul. 2022

United Nations

Kerala, India

- Supported logistics and coordination during Kerala flood relief efforts, helping distribute aid and resources to over 500 families in affected regions

HONORS AND AWARDS

Start-up Grant Winner, Top 25 - Indian Innovation Challenge 2023 (Startup India). Awarded INR 500,000 for developing a commercial prototype.

Special Achievers Award - VIT Vellore: Recognized for exceptional thesis and global competition performance.

Runner-Up - Badminton Championship, organized by Govt. of Kerala, India.