

Ashir Vadakke

Geschwister-Scholl-Strasse 6, 90439 Nürnberg

Email: ashirvp@gmail.com

Portfolio: ashirvp.github.io

GitHub: github.com/ashirvp

LinkedIn: linkedin.com/in/ashirvp/

+49-1766-7454311



EDUCATION

Friedrich-Alexander-Universität

Erlangen, Germany

Master's Degree Autonomy Technologies — Major: AI and Robotics

2024 - Present

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

VIT University

Vellore, India

Bachelor's Degree Electrical and Electronics Engineering

2019 - 2023

Grade: 1,7

University Rank: 3

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

Nov. 2022 – Mar. 2024

Kite India

Vellore, India

- Directed a 20-member tech team for a sustainable AI-based travel-tech startup, driving business growth and expansion.
- item 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

Mar. 2020 – Oct. 2022

Yumlux

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

Sep. 2019 – Dec. 2019

PANTECH Solution

Chennai, India

- Created a comprehensive electric vehicle model using MATLAB Simulink, reducing design time by 20%
- Assisted in embedded system integration for battery management and efficiency optimization.

PROJECTS

IoT-based Firefighting Robot

- Developed an unmanned support vehicle for fire search and extinguishing, reducing response time by 30%.
- Integrated hardware and software for remote control, navigation, and fire detection, increasing operational efficiency by 25

Smart Garbage Monitoring (IoT)

- Designed an Arduino-based system with cloud analytics (Google Cloud), reducing sanitation workload by 20%.

Shopping Assist Web App

- Developed an interactive web application using React.js and Node.js for real-time shopping assistance, increasing user engagement by 10%.
- Conducted extensive testing and optimization, resulting in a 20% increase in customer satisfaction.

TECHNICAL SKILLS

Languages: Python, C/C++, Java, JavaScript, LaTeX, HTML/CSS
Libraries: React.js, Node.js, PyTorch, jQuery, Django, Angular, NumPy, Langchain
Developer Tools: Git, GitLab, Google Cloud Platform, Microsoft Office, MATLAB Simulink
Concept: Agile Development, IoT Systems, Data Analysis, Embedded Systems

LANGUAGE SKILLS

German: B2 (Actively Learning)
English: C1 (Highly Proficient)
Other Languages: Hindi, Malayalam, Tamil

VOLUNTEER EXPERIENCE

IT Development <i>Start Nuremberg</i>	Nov. 2024 – Present <i>Nuremberg, Germany</i>
<ul style="list-style-type: none">• Developed digital tools for the organization using JavaScript/Python.	
HR and Event Head <i>Enactus Munich</i>	May. 2024 – Nov. 2024 <i>Munich, Germany</i>
<ul style="list-style-type: none">• Contributed to a global non-profit organization focused on entrepreneurship for social impact.• Planned and facilitated workshops and events promoting social entrepreneurship, engaging over 300 participants.	
Student Volunteer <i>United Nations</i>	Jul. 2021 – Jul. 2022 <i>Kerala, India</i>
<ul style="list-style-type: none">• Coordinated data-driven relief effort for over 500 affected families.	

HONORS AND AWARDS

Start-up Grant Winner, Top 25 Indian Innovation Challenge 2023 (Startup India). Awarded INR 500,000 to develop a commercial prototype for recycling absorbent hygiene products.

Special Achievers Award (VIT Vellore) Exceptional thesis and exemplary performance at various international events.

Runner Up, Badminton Champion organized by the Govt of Kerala State, India.