

# ASHWIN J R

Kerala, India | +91 8590017409 | appuashwin345@gmail.com | www.linkedin.com/in/ashwin-j-r-3533251a0

## EDUCATION

Vellore Institute of Technology

Bhopal, Madhya Pradesh

B.Tech Computer Science specialization in AI and ML

2022-2026

## PROJECT EXPERIENCE

### AI and Machine Learning Projects

#### Custom AI models

- Experienced in developing AI and ML models for various applications, including predictive analytics, NLP, LLMs, and computer vision.
- Strong skills in Python, TensorFlow, OpenCV, FineTuning models.
- Optimized llama3 llm algorithms to create a custom medical chatbot.

### Open Source Contributions

#### Data Analytics

- Actively involved in open-source projects and contributed to the core algorithm development and testing phases to ensure the system's robustness and reliability.
- Collaborated with Omdena Inc. to develop an AI-based system that enhances road safety by detecting and analyzing road conditions.
- Participated in several data analytics projects during GirlScript Summer of Code (GSSoC-24), applying analytical skills to extract meaningful insights from large datasets.

### Software Development Projects

#### Full-Stack Development

- Designed and implemented a scalable e-commerce platform with a user-friendly interface and real-time product tracking using Flask and MySQL.
- Created an Android application for hotel reservations, integrating Firebase for real-time database management.
- Developed a web application for training custom AI/ML models, utilizing Flask and Python to facilitate model deployment and user interaction.

## SKILLS & INTERESTS

**Skills:** Python, Java, C++, SQL, JavaScript, HTML and CSS Microsoft Office

**Frameworks and Tools:** Flask, TensorFlow, OpenCV, MySQL, Firebase

**Areas of Expertise:** NLP, LLMs, Computer Vision, Web and app development, Critical Thinking, Debugging

**Interests:** Artificial Intelligence, Machine Learning, Open Source Community

**Languages:** English, Hindi, Malayalam

**EXTRACURRICULAR ACHIEVEMENTS**

---

- Conducted extensive research on Information Theory and machine learning models, exploring their applications, implications, and performance.
- Actively participated in multiple hackathons, where I showcased skills in problem-solving, collaboration, and rapid prototyping.