

ASHWIN J R

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EDUCATION

Vellore Institute of Technology

Bhopal, Madhya Pradesh

B. Tech Computer Science Engineering 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, SQL, React, HTML and CSS

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, Software Development

Languages: English, Hindi, Malayalam

ACADEMIC AND 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.
- Strong interest in exploring diverse cooking techniques and recipes, and committed to maintaining a regular workout routine to maintain both physical and mental health.