Rishwanth J

7305656635 | rishwanth738@gmail.com | [LinkedIn | Github](#)

PROFESSIONAL SUMMARY

Highly motivated Computer Science student with strong foundations in data structures, algorithms, machine learning, and software design. Proficient in Python, C++, and JavaScript with hands-on experience developing AI-powered solutions and scalable backend systems. Demonstrated ability to build production-grade tools, fine-tune language models, and work across Linux-based environments. Adept at solving complex engineering problems related to NLP, distributed systems, and information retrieval.

EDUCATION

Vellore Institute of Technology, Chennai   **CGPA: 9.43/10**
BTech, Computer Science and Engineering   *Graduation Date: Jun 2027*

Indian Institute of Technology Madras   **CGPA: 3.02/4**
Bachelor of Science, Data Science   *Graduation Date: Dec 2028*

WORK EXPERIENCE

Zoho Corporation   **Chennai,Tamil Nadu**
Artificial Intelligence Intern   *Jun 2025 - Jul 2025*

- Automated postman script conversion from old format to the newer format via fine tuning LLMs
- Developed a MCP server and also used prompt engineering to streamline QEngine script generation from a fine tuned model on OpenUI web

Finari Private Services Limited   **Chennai, Tamil Nadu**
Artificial Intelligence & Machine Learning Intern   *May 2025 - Jun 2025*

- Helped automate Email services and alerts at the company and also streamlined company database enabled acceptance criteria generation using fine tuning LLMs and using AWS services such as Polly.

LEADERSHIP EXPERIENCE

Nilgiri House, IIT Madras   **Chennai, Tamil Nadu**
Regional Coordinator   *Nov 2024 - Jul 2025*

- Coordinated and helped students enrolled in IITM BS Degree program of Chennai region with their queries and other problems and also helped manage events for the students of IITM BS Degree program at IIT Madras.

SKILLS & INTERESTS

Skills: Python, C, C++, Java, HTML and CSS, JavaScript, R, MySQL, PostgreSQL, React JS, Node JS, Git, Github,NLP, Generative AI

HACKATHONS AND CERTIFICATIONS

Hackathons:
- Flipkart Grid 6.0 Robotics Challenge - Semifinalists
- Innovate 4.0 - Runners Up
- Innovate Carlo Rino UPM UI/UX - Semifinalists
- SCOPE Champ Expo - Winners

Certifications:
- IITM Data Science BS Degree Foundational Level - Issued by IIT Madras in 2024
- Generative AI - Issued by Oracle in 2024
- Intro to Gen AI with AWS - Issued by Udacity in 2024
- Machine Learning and Deep Learning - Issued by Udemy in 2024
- Python - Issued by IIT Bombay Spoken Tutorial in 2024
- C and C++ - Issued by IIT Bombay Spoken Tutorial in 2024

PROJECTS

SmartLogiX-An-AI-Powered-Logistics-Platform **Github Link**

- Developed an AI-powered Logistics Optimization Platform integrating RL-based routing, predictive forecasting, and automated dispatch systems, achieving a 24% reduction in operational costs.
- Built real-time multimodal routing and warehouse intelligence modules using open-source APIs (TomTom, OSRM, Weatherbit, AQICN), cutting software costs by up to 90%.

Freshness-and-OCR-detection-Factory-oriented **Github Link**

- Achieved real-time brand recognition with bulk shipment detection in <1000ms and 95%+ accuracy and implemented expiry date extraction using regex, ensuring 98%+ precision across diverse formats.
- Designed a multi-factor freshness evaluation model trained on real-world samples for perishable goods and engineered a stable camera input system supporting both mobile and external devices for versatility.

Suicide Prevention Hotline App **Github Link**

- Designed an AI-powered suicide prevention hotline system for real-time crisis intervention using socket programming.
- Integrated chatbot assistance to provide immediate guidance and support with a LLM fine tuned on therapy session conversation dataset.