Rohith B

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Summary

Motivated and detail-oriented professional seeking opportunities to apply AI and software development skills to build impactful, scalable solutions while continuously improving technical expertise.

Skills

Languages: Python, Java
Web: HTML, CSS, JavaScript
Database: MySQL, MongoDB
Tools: VS Code, Antigravity, Flutter, Ollama
Framework: Scikit-learn, TensorFlow, PyTorch, React, Flutter

Education

Sri Ramakrishna Engineering College
B.Tech – AI & Data Science
CGPA: 6.88 / 10
2023-2027

Vidya Vikasini Matric Hr. Sec School
HSC – 84.33%

Projects

Network Traffic Anomaly Detection

- Real-time detection using Isolation Forest and LSTM Autoencoder.
- Streamlit dashboard for live traffic visualization.

Automated Cyber Triage System

- Developed a cost-effective, open-source real-time system to detect and mitigate DDoS attacks using Zeek-based deep packet inspection, machine learning detection, automated firewall IP blocking, and detailed traffic logging.

AI Auto Compliance Mapper

- Developed an AI-driven application that processes user problem statements, maps them to relevant legal and compliance rules, and generates simplified legal explanations using Large Language Models (LLMs) and NLP techniques.

Adaptive Memory System for AI Agents (Present)

- Developed a long-term memory system for AI agents using reinforcement learning to optimize context retrieval for extended scheduling workflows and autonomous task execution.

Automated Expense Tracker from Receipts (Present)

- Developed an automated expense tracking system using a transformer-based TrOCR model to extract data from receipt images.
- Converted unstructured receipt text into structured expense records for accurate tracking and reporting.
- Simplified expense management for individuals and small businesses by reducing manual data entry.

Experience

Vibrace Technologies — Web Developer Intern
Jun 2025-Jun 2025

- Developed responsive web interfaces using HTML, CSS, and JavaScript.

PrivacyWeave Technologies — AI/ML Intern
Dec 2025 - Dec 2025

- Assisted in developing and evaluating machine learning models.

Infotact Solutions (Present - Online): - Data Associate L1
Dec 2025 - Feb 2026

- Working on an IoT-based predictive maintenance system using sensor data (temperature, vibration, pressure) to anticipate machine failures.
- Developing a computer vision–based quality inspection system to classify products as defective or non-defective.

Certifications

- Retrieval Augmented Generation with LangChain (IBM SkillBuild)
- Generative AI Unleashing (IBM SkillBuild)
- OpenAI Generative Pre-trained Transformer 3(GPT-3) for Developers (IBM Skillbuild)

Achievements

- **2nd Place** — AVINYA'25 36-hour Hackathon (MVJ College of Engineering)
- **Project:** Automated Cyber Triage System for Real-Time DoS and DDoS Attack Mitigation
  Cash Prize: **Rs. 10,000**

Languages

English
Tamil

Profiles

- **LinkedIn:** Rohith B
- **Github:** Rohith B