Rani Kumari

+91 7001724730 | ranischool53@gmail.com | [LinkedIn](#) | [GitHub](#)

Summary

Results-driven M.Tech Computer Science student with a strong academic foundation and hands-on experience in Python, databases, and software development. A quick learner with strong problem-solving skills and a passion for technology. Actively seeking internship or full-time opportunities to contribute to real-world projects and grow as a software engineer.

Technical Skills

- **Programming languages:** C, C++, Python
- **Development Concepts:** Data Structures and Algorithms, OOPS, SDLC, OS, CN
- **Database/Operating System:** Oracle, SQL, MySQL, Windows
- **Tools:** Visual Studio Code, Jira, BMC Remedy, Splunk, Git, GitHub, Flask
- **Soft Skills:** Problem-Solving, Critical Thinking, Teamwork, Quick Learner, Communication

Projects

Predicting Heart Disease | Machine Learning | NumPy | Pandas | Logistic Regression | F1 Score

- Designed a model to predict whether a person is having heart disease or not.
- Model is trained with various algorithms like Logistic Regression after doing train: test split.
- Accuracy of the model is checked using the metrices like F1 Score.

Agentic AI Chatbot | LangGraph | Groq LLM | Tavily API | Streamlit

- Developed a multi-agent intelligent chatbot using LangGraph to build stateful workflows for reasoning and automation.
- Integrated Groq LLM for high-speed conversational intelligence and Tavily API for real-time web information retrieval.
- Implemented multiple use cases – Basic Chatbot, Chatbot with Web, and AI News Summarizer within a unified Streamlit dashboard.
- Tools/Technologies: Python, LangGraph, Groq LLM API, Tavily API, Streamlit, Visual Studio Code.

Work Experience   *August 2022 – November 2023*

Senior Executive, Vodafone India Services Pvt. Ltd.

- Provided 24×7 end-to-end application support in production environments with strict SLAs, ensuring high availability, and minimal downtime.
- Managed 45+ WebLogic application servers, ensuring optimized performance and efficient deployments.
- Collaborated cross-functionally with DevOps teams to enhance system performance and maintain operational excellence in a high-pressure environment.

Education

- M. Tech in Computer Science and Engineering | VIT Vellore | CGPA: 8.97 | 2024 - 2026
- B. Tech in Computer Science and Engineering | MAKAUT University | CGPA: 9.16 | 2018 - 2022
- 12th (Science Stream) | WBCHSE Board | 78% | 2018
- 10th | WBBSE Board | 75% | 2016

Certifications

- DBMS (NPTEL, 2022, 70%)
- Introduction to **C++** (NPTEL, 2020, 90%)
- Python (NPTEL, 2019, 79%)
- Soft Skill (NPTEL, 2018, 80%)

Achievements

- GATE Qualified | 2024
- AIR-41 in PGCAT Exam | 2024
- AIR-95 in VITMEE Exam | 2024
- CSE Topper in B. Tech 1st Year | 2019