

Rani Kumari

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Objective

Results-driven Software Engineer with a strong academic foundation and hands-on experience in Python, databases, data structure, oops and software development. GATE qualified candidate with proven problem-solving skills and a strong willingness to learn, relocate, and grow through structured training and real-world projects.

Skills

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

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%) |

Projects

Predicting Heart Disease | Python | 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 machine algorithms like Logistic Regression after doing train: test split.

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.

Work Experience

Senior Executive, Vodafone India Services Pvt. Ltd.

August 2022 – November 2023

- 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.