Rani Kanaparthi

⚲ Hyderabad ✉ ranikanaparthi226@gmail.com 📞 6301839561 ⊕ Portfolio </> GfG ⌨ Leetcode in Linkedin ⌾ Github

SUMMARY

Passionate about tackling real-world challenges, eager to learn emerging technologies, and committed to building innovative solutions that make a meaningful impact on society.

EDUCATION

Institute of Aeronautical engineering. *june 2022 – May 2025*
Bachelors of Technology- CGPA:8.1

Mahaveer Institute of Science and Technology *Aug 2019 – july 2022*
Diploma in computer science- CGPA:9.3

EXPERIENCE

Software Engineer Intern- ⬈ *Hyd*
JPMC *June 2024*

- Engineered unit tests for the getDataPoint function in clients data to **validate stock price accuracy** and bid-ask spread handling.
- Developed a Python-based trading simulation system to model **real-time market conditions**, process limit orders, and manage order books dynamically for realistic market behavior.
- Optimized market-making operations by generating synthetic market data, executing order flows, and serving real-time trading insights through an **HTTP server to enhance performance.**

AWS Trainee- ⬈ *ECIL*
National Small Industries corperation *June 2023 – july 2023*

- Gained a strong understanding of AWS cloud services, including **EC2 for scalable computing and Lambda for serverless solutions**, enabling efficient application deployment and management.
- Worked closely with fellow trainees to brainstorm, design, and implement cloud-based solutions, fostering teamwork and innovative thinking.
- optimized **AWS cloud infrastructure, focusing on cost efficiency and scalability** through effective resource management.

PROJECTS

QrShare ⬈ | **Python, Django, Flask, HTML, CSS, JavaScript** ⌾ *Github*

- Developed a Flask-based file upload system integrated with **Firebase for file data storage**, enabling users to upload files and generate shareable QR codes, resulting in a **30% increase in performance**.
- Implemented security file handling with **encryption** and dynamic QR code generation using Python.
- Designed a responsive frontend with **HTML, CSS, and Bootstrap.**
- Enhanced document sharing efficiency through seamless **Firebase integration.**

Sara-theChatbot ⬈ | **Python, NLP, javascript, HTML, CSS, javascript** ⌾ *Github*

- Developed Sara, an AI-powered chatbot **that uses NLP techniques** such as intention recognition, achieving **72% precision** in understanding user queries.
- Developed Sara using JavaScript to ensure seamless integration with web platforms and real-time interaction, enabling smooth and efficient communication with users.
- Using interactive elements and dynamic content updates in JavaScript, increasing user retention and satisfaction through **personalized and responsive experiences**.

SKILLS

Languages	**Javascript(Basic)**, Python, **HTML, CSS**, Java, SQL.
Coursework	Object-Oriented Principles,DBMS,Data Structures and Algorithms,OS,SDLC.
Frameworks and Tools	React, Django,Git,AWS,Linux,**Figma**,VS Code,Flask.
Soft Skills	Time Management, Teamwork, Communication, Problem Solving.
Speech	English,Telugu,Hindi,Kannada.

ACHIEVEMENTS

- participant of Google Girl Hackathon 2024.
- solved 300+ problems on leetcode and Institute rank less than 50 in GFG.
- Acquired the **Web technologies(WD-101)** with utilizing of javaScript and frontend technologies from pupilFirst ⬈
- Led a team during the final year diploma project on Industry Connect.