RAGHU SHARMA

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🐙 GitHub   </> LeetCode

OBJECTIVE

Motivated and adaptable Computer Science Engineering student with a strong foundation in software development and problem-solving. Skilled in designing and implementing efficient solutions, with a passion for building innovative products that simplify complex business processes. Seeking a Software Developer role to contribute to the development of robust and scalable applications.

EDUCATION

SACRED HEART CONVENT HIGH SCHOOL, PHINTER
10th - 95.4%   2019

ORIENTAL ACADEMY, JAMMU
12th - 97%   2021

MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY, DELHI
B.Tech in Computer Science Engineering
CGPA : 8.9 till 7th semester   Expected 2025

SKILLS

Programming Languages: Python, C, C++, JavaScript, Java(limited proficiency)
AI/ML Frameworks: PyTorch, Dialogflow
Frameworks & Libraries: React, Node.js, FastAPI, Material-UI, Express.js, Bootstrap, NumPy, Pandas
Developer Tools: Visual Studio Code, SQL Server, Github, Git, Vercel, Postman
Web and Database Technologies: HTML5, CSS3, JSON, MongoDB, MySQL, Firebase
CS fundamentals: SQL, Computer Networks, Database Management Systems, OOPS, DSA
Soft Skills: Leadership, Communication, Adaptability, Teamwork, Discipline

EXPERIENCE

Software Engineering Intern   July 2023 - August 2023
Brain Mentors Pvt. Ltd.

- Designed and implemented interactive web applications using React.js and Material-UI, prioritizing performance and a seamless user experience.
- Collaborated on UI/UX improvements to enhance user experience and application performance, reducing manual effort and optimizing workflows.

PROJECTS

Automated Medical Imaging Analysis:

- Designed and trained a CNN-based deep learning model for diagnosing conditions from medical images (X-rays, CT scans).
- Conducted data preprocessing, feature engineering, and dataset labeling to enhance model accuracy.
- Developed a diagnostic tool to automate medical image analysis, reducing manual intervention and enabling faster diagnosis.
- **Tech Used:** Python, Yolo, Cython, Tensorflow, CNN, KNN, Darkflow, Streamlit.

Chat Bot for Food Delivery:

- Developed a chatbot to automate food order management, enhancing customer engagement through accurate and natural conversations.
- Integrated backend services with FastAPI to efficiently process user requests, manage order data, and ensure a smooth user experience.
- Enhanced conversational accuracy by incorporating custom logic to complement Dialogflow's NLP capabilities.
- **Tech Used:** Python, Dialogflow, FastAPI, PyTorch, ngrok, SQL Workbench, NLTK.

ACHIEVEMENTS & ACTIVITIES

- Attended the 2nd International Conference on Artificial Intelligence and Applications (ICAIA) and received a participation certificate.
- Secured a scholarship under the Prime Minister's Special Scholarship Scheme (PMSSS), recognizing academic excellence.
- Completed Microsoft Certified CyberSuraksha Course, gaining foundational skills in cybersecurity.