M SAI GAURAV

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in LinkedIn ○ GitHub </> LeetCode

PROFESSIONAL SUMMARY

Computer Science engineering student with a strong foundation in **Python, C++, and C**, along with experience in **web development**. Skilled in applying **machine learning concepts** through hands-on projects. Ambitious, focused, and hardworking with the ability to adapt quickly to new technologies. Seeking opportunities to contribute programming and problem-solving skills while continuing to grow in Software development and AI fields.

EDUCATION

VIT Bhopal University   **Nov 2022 – May 2026**
*B.Tech in Computer Science and Engineering **(8.35 CGPA)***   *Bhopal, MP*
- Relevant coursework: Data Structures, Algorithms, DBMS, OS, ML

Sri Sankara Vidyalaya   **2021 – 2022**
*Class XII (Cbse Board), **83%***   *Bhilai, CG*
- Focused on PCM (Physics, Chemistry, Mathematics)

Sri Sankara Vidyalaya   **2019 – 2020**
*Class X (Cbse Board), **91%***   *Bhilai, CG*
- Achieved top 10 rank in school
- Active participation in extracurricular activities such as quizzes and competitions

NOTABLE PROJECTS

Coronary Artery Calcification Detection
- Played key role in a team-based project.
- Trained a **U-Net image detection model** on **20,000+ MRI scans (.nii files)** to identify and quantify arterial calcification and classify as **benign or malignant**.
- Successfully achieved an accuracy of **89.7987** on testing the model on untrained data.

Chatbot with Flask and ReactJS
- Built an interactive chatbot using **Flask, integrated with an LLM backend via LLamaindex API**.
- Deployed as a web application with a clean UI built using **ReactJS**.
- Used **Mongo DB** for storing chats to replicate chatgpt like features.

Research Paper on Retrieval-Augmented Generation (RAG)
- Authored a research paper on the RAG model, demonstrating enhanced response generation, using data offered by the user themselves.
- Developed an example, working prototype of a RAG model.

Interactive Cooking Website
- Developed the frontend using ReactJS for an interactive cooking website.
- Contributed to documentation and collection of sample data for the recipes.

ACHIEVEMENTS AND SKILLS

- Completed certifications on **App Development using Flask**, **IBM AI Engineering**, **MERN Fullstack Development**, and **Microsoft Azure AI Fundamentals**.
- Solved **350+ coding problems** on LeetCode and other platforms such as HackerRank and GeeksforGeeks.
- Proficient in **Data Structures and Algorithms (DSA)** and **Python programming**.
- Working knowledge of **SQL, Operating Systems, and Computer Networks.**
- Basic knowledge of handling the AWS console.
- Actively participated in multiple hackathons.