PRAJWAL SURYAVANSHI

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Prajwal-101 | 💼 Prajwal Suryavanshi | 📍 Nagpur, Maharashtra-441102

Education

Indian Institute of Information Technology Allahabad (IIITA)　　　　　　　　　Aug. 2022 - Present
MTech in Bioinformatics | Link to the course　　　　　　　　　　　　　　　　　　*CGPA: 8.54/10*

Sant Gadge Baba Amravati University (SGBAU)　　　　　　　　　　　　　Aug. 2017 - Dec. 2020
BTech in Chemical Technology | Link to the course　　　　　　　　　　　　　　　*CGPA: 8.76/10*

Experience

IIIT Allahabad　　　　　　　　　　　　　　　　　　　　　　　　　　　　Aug. 2022 - Present
Teaching Assistantship

- Assisting educators in guiding students through coursework in Data Structures & Algorithms, Operating Systems, and Physics.
- Conducting tutorial classes, Addressing students doubts, Guiding projects, and Supervising exams.

Skills

Programming Languages:
　　C, C++, Python, SQL, HTML, CSS.

Technologies & Tools:
　　Git, GitHub, MongoDB Compass, MySQL, Microsoft Power BI, AWS, VsCode, Google Colab.

Competencies:
　　Data Structures & Algorithms, Database Management System, Operating Systems, SDLC, Machine Learning, Object Oriented Programming (OOPs), Statistics.

Courses & Certifications:
- Online Course - "ChatGPT Prompt Engineering for Developers" by DeepLearning.AI
- Certification - "Basics of Python programming and Advance Data Structures" by DBT-BIC IIITA

Projects

CPU Scheduling Algorithms Visualizer

A visualization tool for processes scheduling in CPU　　　　　　　*C++, Operating Systems, VsCode, Git*

- Developed a CPU scheduling algorithms visualizer which gives the comparison between various scheduling algorithms.
- Implemented various scheduling algorithms including First Come First Serve(FCFS), Shortest Job First(SJF), Round Robin(RR) and others.

Smart Parking System

A console application to book parking space　　　　　　　　　　　　　　*C++, OOPs, VsCode, Git*

- Developed a console application which helps to get a parking space with an electronic receipt in a multi-storey building.
- Implemented features including Real-Time Parking Availability, Multi-Level Parking Support, and Pricing based on duration.

Banking Management System

A Banking platform for making transactions and maintaining logs　　　*Python, MySQL, DBMS, VsCode, Git*

- Created a platform having admin mode and user mode where a user can perform banking operations.
- Executing CRUD operations: Creating, Reading, Updating, and Deleting records in a MySQL database.

Diabetes Prediction

A ML model for doing early prediction of diabetes　　　　　*Python, Google Colab, Machine Learning, Git*

- Focused on developing a system to enhance early prediction of diabetes with improved accuracy.
- Designed a model to assess the risk of developing diabetes or experiencing complications by analyzing the health data.

Interests and Hobbies

- Problem Solving, Coding, Connecting with people, Swimming, Cooking, Football.

Languages Spoken

- English, Hindi, Marathi.