

Pasula Ajay Kumar

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github.com

Professional Overview

Engineered a full-stack web application using React, Node.js, and MongoDB as a personal project, demonstrating proficiency in front-end and back-end development and gaining 500+ stars on GitHub upon sharing as open-source.

Technical Skills

- **Programming:** C | Java | Python
- **Databases:** SQL | MongoDB
- **Frameworks:** Flask | Tableau | Power BI
- **Tools:** Visual Studio Code
- **Web:** HTML | CSS | JavaScript | PHP
- **Source & Version Control:** Git | GitHub
- **Coursework:** DSA | Operating System | DBMS
- **Other Skills:** Data Analysis | Machine Learning | Data Science

Education

- SR University**, B.Tech in Computer Science & Engineering Mar 2025 – Present
- CGPA: 9.6/10
 - **Coursework:** Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks

Experience

- Web Development Intern**, CodeSoft [June-July 2024]
- Delivered a functional calculator application using HTML, CSS, and JavaScript, ensuring 99.9 percentage uptime and zero reported bugs during initial user testing, demonstrating exceptional code quality and reliability.
 - Built a **responsive e-commerce webpage** for **Agriculture Pesticides**, optimizing user experience and accessibility.
 - Ensured cross-device compatibility and **improved UI/UX responsiveness**.

Projects

- Full-Stack Chat Application** github.com/2514Ajaykumar/fullstack-chat-app

Architected a real-time chat application featuring **user authentication** and **image uploads**, reducing average message latency by 60ms using **Socket.IO** and optimizing data transfer with **Cloudinary** image hosting.

- Machine Learning Prediction Web Application** github.com/2514Ajaykumar/mlproject

Developed a Flask web application to predict student performance using user inputs by implementing data preprocessing and prediction pipelines with Scikit-learn, designing real-time web interfaces with HTML and CSS, and deploying the project on Render.com with effective error handling.

Certifications

- Get Started with Data Science in Microsoft Fabric – Microsoft Learn**, Feb 2025
Introduction to End-to-End Analytics Using Microsoft Fabric, Feb 2025
Describe Azure Compute and Networking Services – Microsoft Learn, April 2025