Sathvik Merugu

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SUMMARY

A third-year Computer Science B.Tech student specializing in Artificial Intelligence with a strong foundation in core computer science principles. Proficient in Python (advanced - ML, Data Science, Flask/Django), Java (competitive programming), and C, with extensive full-stack development experience using the MERN stack (MongoDB, Express.js, React, Node.js) and Python frameworks. Highly skilled in data structures, algorithms, and data analytics, with a proven ability to solve complex problems by identifying patterns. Seeking a challenging internship to apply my technical skills in a dynamic environment.

PROJECTS

Personal Portfolio Website   GitHub

nteractive personal portfolio with typewriter effects, project carousels, certificate modals, and competitive coding profiles. Features modern glassmorphism UI, smooth animations, and responsive design. Deployed on Vercel with automated CI/CD.

Interactive Adaptive Learning and Quiz Platform   GitHub

Developed a dynamic and interactive platform to gamify the learning process, allowing users to test their knowledge through quizzes while providing a personalized and adaptive learning experience. The system encourages continuous engagement and skill development through a point-based system and achievement badges.

Personalized To-Do List Application   GitHub

Developed a secure and personalized web-based To-Do List application that allows individual users to manage their tasks efficiently. The application provides core CRUD (Create, Read, Update, Delete) functionalities for tasks and tracks their completion status.

Student Grade Analysis and Management System   GitHub

Student Performance Analyzer is a full-featured academic management system that streamlines the way educational institutions handle student data, performance tracking, and analytics.

SafeQuest   GitHub

Full-stack MERN application with AI-powered story generation, real-time text-to-speech narration, and HuggingFace image generation. Features dynamic character animations, JWT/Google OAuth authentication, and community blog.

TECHNOLOGIES USED:

Frontend:

HTML, CSS, JavaScript, React, Tailwind

Back-end:

Python, Flask, Flask-SQLAlchemy, Werkzeug (for security), Flask-Login, Node.js, express.js

Data Analysis and Visualization:

Matplotlib, Seaborn

Database:

SQLite, MySQL (via PyMySQL), MongoDB

EDUCATION

2023 - 2027	B.Tech at **Parul Institute of Technology**	(CGPA: 7.81/10.00)
2023	Class 12th CBSE	(75%)
2021	Class 10th CBSE	(82%)

CERTIFICATIONS:

- NPTEL Computer Networks
- The Ultimate Job Ready Data Science Course - CodeWithHarry
- AI Fundamentals by IBM - Cisco Networking Academy
- Cloud Foundations - AWS Academy

HOBBIES:

- Solving Coding Challenges (LeetCode, Codeforces)
- Reading Novels and texts
- Playing Cricket
- Making Web-Apps