PAVAN TEJA BATTHULA

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GitHub: https://github.com/tej-a192 | Portfolio: https://tej-a192.github.io/Portfolio/

PROFESSIONAL SUMMARY

Results-driven Full Stack Developer with experience in building scalable and maintainable client-server applications using the MERN Stack. Proficient in developing RESTful APIs, managing NoSQL/SQL databases, and deploying apps with Docker containers. Strong foundation in Data Structures, Algorithms, and CI/CD pipelines. Seeking opportunities to design and deliver high-performance web systems.

EDUCATION

B.Tech - Computer Science and Engineering

Sasi Institute of Technology & Engineering, Tadepalligudem

2022 - Present | CGPA: 9.0

TECHNICAL SKILLS

Languages: Java, Python, C

Frontend: React.js, TypeScript, Redux Toolkit, JavaScript, HTML, CSS

Backend: Node.js, Express.js, REST APIs, JWT

CSS/UI: Tailwind CSS, ShadCN UI, Bootstrap

Databases: MongoDB, MySQL, Oracle

DevOps Tools: Docker, Jenkins, Selenium

Version Control: Git, GitHub

Others: Context API, Recharts, OpenWeather API, ClipDrop API

PROJECTS

Automated Cloud Backup System - Developed a cloud-native file backup platform using MERN stack, enabling secure uploads, version control, and retrieval using QR codes.

- Integrated AWS S3 for encrypted storage.

- Added AI-powered file summarization and user auth with JWT.

Keywords: Cloud storage, S3, Encryption, Backup automation, Secure APIs

Pixel Pioneer - AI Text-to-Image SaaS - Designed an AI image generator that transforms user input into visuals using ClipDrop API.

- Implemented responsive UI with Tailwind CSS, and backend logic in Express.js.

- Enabled seamless image sharing and storage with MongoDB.

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Keywords: AI SaaS, Image generation, Full-stack app, API integration

Zephyr - Real-Time Weather Web App - Built a modern weather forecast app using OpenWeatherMap API with dynamic charts.

- Used TypeScript and Recharts for data visualization.

- Integrated location-based auto-complete and responsive UI.

Keywords: Real-time APIs, Responsive frontend, Data visualization, TypeScript

ACHIEVEMENTS

- SIH Internal Hackathon Finalist - Developed an innovative women's safety solution.

- Top 5 - SRKR DevOps Flowthon - Built a functional CI/CD pipeline under time constraints.

INTERNSHIP EXPERIENCE

Web Development Intern - Developers Arena

- Built and optimized reusable components using React and Tailwind CSS.

- Collaborated in agile sprints and worked on backend logic with Express.js.

Machine Learning Intern - Skill Dzire

- Worked on ML models and preprocessing pipelines using Python and Scikit-learn.

- Contributed to predictive analytics projects under mentorship.