Pavan Teja Batthula

Aspiring Software Engineer

GitHub   Portfolio

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Summary

I am an aspiring software engineer specializing in developing full-stack applications using the MERN stack. My experience includes client and server application development, and I have a solid foundation in data structures and algorithms. I'm seeking opportunities to contribute to innovative software development projects.

Skills

Programming Languages	**Java, Python,** C
Devops Tools	Docker, Jenkins, **Selenium**
Frontend Technologies	**React.js, JavaScript, TypeScript,** Redux-Toolkit, **HTML, CSS**
Backend Technologies	**Node.js, Express.js,** RESTful APIs
Databases	**MySQL,** Oracle, **MongoDB**
Version Control	**Git, GitHub**
Soft Skills	**Problem-Solving**

Education

B.Tech in Computer Science and Engineering

Sasi Institute of Technology & Engineering, Tadepalligudem   *2022 - Present*

- Achieved an impressive CGPA of **9.0** demonstrating strong academic performance.

Projects

Automated Cloud Backup System

MongoDB, Express.js, React.js, Node.js, AWS S3, Tailwind CSS, JWT, QR code, Encryption   Live Link

- Successfully developed a **cloud-based system** utilizing the MERN Stack for efficient automated file backups.
- Integrated **AWS S3** for secure storage and implemented features like QR-based retrieval, AI file summarization, and version control.

Pixel Pioneer | Text-to-Image Generation SaaS

React.js, Context API, Tailwind CSS, Node.js, Express.js, MongoDB, Clipdrop API   Live Link

- Built a full-stack **AI-powered web app** that effectively converts text prompts into images.
- Optimized **backend logic** and implemented a highly user-friendly interface for seamless interaction.

Zephyr | Real-Time Weather Forecasting Web App

React.js, Typescript, Recharts, ShadcnUI, Tailwind CSS, Open weather map API   Live Link

- Engineered a comprehensive weather web application providing **5-day prediction forecasts**.
- Integrated a city search feature with **autocomplete** powered by OpenWeather API for rapid location searches.
- Effectively visualized the weather forecast utilizing **Recharts** for better user experience.

Work Experience

Developers Arena

Web Development Intern

- Demonstrated expertise in **web development** during the internship by engaging in hands-on projects utilizing the MERN stack and improving both frontend and backend functionalities. Gained proficiency in managing development tools and version control systems.

Skill Dzire

Machine Learning Intern

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Enhanced my skills in **machine learning** by participating in projects that involved data analysis and model development. Improved understanding of algorithms and applied practical machine learning techniques using Python and relevant libraries.

Achievements

Smart India Hackathon Internal Hackathon Finalist

Smart India Hackathon

- Developed an innovative web-based solution targeting women's safety issues, leveraging React.js and ensuring seamless integration with middleware services.

Top 5 – DevOps Flowthon

SRKR DevOps Flowthon

- Successfully led a team to solve CI/CD pipeline problems at the SRKR DevOps Flowthon using Jenkins and Docker for automation and deployment tasks.