Thirupathi Pyati

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Professional Summary

Passionate web developer skilled in creating dynamic, user-friendly, and secure web applications. Proficient in React.js for front-end development, MongoDB for database management, and Express.js for back-end development. Experienced in leveraging Firebase for real-time database management, authentication, and storage solutions. Adept at building robust, scalable full-stack applications, delivering responsive interfaces, and ensuring seamless user experiences.

Technical Skills

- **Programming Languages:** JavaScript, Python, C, C++, Java
- **Web Development:** React.js, Node.js, Express.js, HTML, CSS
- **Databases:** MongoDB, PostgreSQL
- **Other Tools:** Socket.IO, Phaser.js, Tiled, JWT, Firebase Storage

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Experience

Software Development Intern

Apps Leap Technologies LLP | January 2025 – Present

- Collaborating with the development team to create scalable and high-performance applications.
- Gaining hands-on experience in building user-friendly interfaces and optimizing backend systems.
- Participating in code reviews and agile development practices to ensure quality deliverables.

AI Note-Maker [Website](#)

- Developed a web application allowing users to upload PDFs and ask questions related to the content.
- Built using the **MERN stack** (MongoDB, Express.js, React.js, Node.js).
- Integrated **Clerk** for secure authentication and **Firebase** for PDF storage.
- Utilized **Google Generative AI** for embedding and generating answers to user queries.
- Ensured a seamless and interactive user experience with responsive design and efficient backend processes.

Stock Portfolio Tracker API

- Developed a Stock Portfolio Tracker API using **Express.js** and **PostgreSQL**.
- Features include managing stock trades (add, update, delete, fetch), retrieving portfolios, and calculating cumulative returns.
- Planned enhancements: UI integration and multi-user support for personalized portfolio management.

Custom URL Generator with Authentication

- Built a secure URL shortening web application with **Node.js**, **Express**, **MongoDB**, and **React.js**.
- Integrated JWT-based authentication for signup/login and analytics dashboards.
- Implemented CORS policies, error handling for invalid tokens, and ensured a user-friendly, secure experience.

Multiplayer Web RPG Game

- Developed a multiplayer RPG game using **Phaser.js** and **Socket.IO**.
- Implemented real-time player movement, animations, and collisions.
- Designed a tile-based map using **Tiled** and synchronized player states with a **Node.js server** for performance optimization.

Certifications

- **Machine Learning and Self-Driving Cars** — [Verification Link](#)
- **Learn Cyber Security from Scratch: Practical Guide** (Udemy) — [Verification Link](#)

Education

HKBK College of Engineering | Bangalore, Karnataka **B.E. in Information Science Engineering**

Expected Graduation: **July 2025** with an aggregate of **80%**