Vandrangi Sai Vivek

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SUMMARY

MERN / PERN Stack Developer — Python Developer — Full Stack Web Developer

Versatile and results-driven Full Stack Web Developer proficient in building scalable, responsive web applications using MERN and PERN stacks. Skilled in Python scripting, REST API integration, modern JavaScript (ES6+), and frameworks like Next.js and Tailwind CSS. Strong grasp of DSA, clean UI/UX design, and version control (Git/GitHub). Adept at delivering quality solutions under tight deadlines with strong team collaboration.

Education

Indian Institute of Information Technology Kottayam   *Aug 2023 – Present*
BTech in Computer Science

- GPA: 8.3/10.0
- **Coursework:** Data Structures and Algorithms, DBMS, Computer Networks, Operating Systems, Design and Analysis Of Algorithms

Technologies

Languages: C++, CSS3, HTML5, Java, JavaScript (ES6+), Python
Frameworks & Libraries: Express.js, Flask, Next.js, Node.js, React.js, Selenium, Tailwind CSS
Tech Stack: MERN, PERN
Databases: MongoDB, PostgreSQL
Tools & Platforms: Docker, Git, GitHub, Netlify, Postman, Redis, Render, Vercel
Other Skills: JWT Authentication, REST APIs, Responsive Design, Swagger, Version Control

Experience

Python Developer   *MAY 2025*
Xpertstim IT Solutions

- Developed and maintained Python scripts for automating repetitive tasks, improving efficiency by 80%
- Collaborated with the team using Git and GitHub for version control and pull request workflows.
- Developed a custom Python-based browser using PyQt5 and QWebEngineView for loading and interacting with web pages inside a desktop application.

Projects

FOREVER E-COMMERCE STORE   *Forever* ⬈

- Built a fully functional E-Commerce web application with seamless user and admin experiences.
- Implemented authentication and authorization using JWT and localStorage to restrict admin-only features.
- Developed a secure admin dashboard to manage products, categories, inventory, and user orders efficiently.
- github.com/saivivek45/forever ⬈
- Tech Stack: MERN Stack (MongoDB, Express.js, React.js, Node.js)

CODE JUDGE   *Code Judge* ⬈

- Built a scalable code evaluation backend using Node.js, Express, MongoDB, Docker, and Redis to support Python, C++, and JavaScript submissions.
- Integrated secure code execution via Docker containers, with rate limiting, JWT authentication, and leaderboard system for performance tracking.
- Tech Stack: NODE JS, EXPRESS, MONGODB, DOCKER, REDIS, JWT, SWAGGER