Pavan Kumar Kosuri

Mobile: +91 7780690827
Email: kosuri.pavank@gmail.com

GitHub: https://github.com/PavanKumarKosuri
LinkedIn: www.linkedin.com/in/pavan-kumar-kosuri

AI-Assisted Full-Stack Developer | React.js | Node.js
Accelerating development with cutting-edge AI tools and DevOps best practices

PROFESSIONAL SUMMARY

Full-Stack Developer with nearly 4 years of experience building secure, scalable web applications in React.js and Node.js. Adept at using AI-powered coding tools to rapidly prototype solutions, ensure clean code, and maintain best practices. Consistently optimized system performance, integrated third-party services, and collaborated with cross-functional teams to deliver enterprise-grade solutions. Passionate about leveraging AI to further drive innovation in Full-Stack development and DevOps workflows.

TECHNICAL SKILLS

- **Frontend:** JavaScript, React.js, Tailwind CSS, Bootstrap, HTML5, CSS3
- **Backend:** Node.js, Express, JWT, WebSockets, Payment Gateway Integrations (Razorpay)
- **AI & Automation:** Experience using AI coding tools (e.g., GitHub Copilot, ChatGPT) for code generation, debugging, and performance optimization
- **Database:** MySQL, Azure Cosmos DB
- **DevOps & Cloud:** Azure (App Services, CI/CD), Vercel, Netlify
- **Security**: OWASP Top 10, AES-256, JWT Authentication
- **Tools & Collaboration:** Git, GitHub, Postman, Figma, JIRA, Confluence

CERTIFICATIONS

- **Azure Data Fundamentals (DP-900)**, **DevOps Professional**, **Java SE8 Developer** (Infosys)
- **Selenium Advanced Practitioner**, **Automation Foundation Specialist**, **Digital Accessibility Specialist** (Infosys)
- **OWASP Top 10 Security Practices** (Self-study)
- Pursuing Certified Kubernetes Application Developer (CKAD) in 2025

WORK EXPERIENCE

Infosys Limited | Hyderabad, India

Full-Stack Developer (April 2022 – Present)

- Developed highly responsive web interfaces using **React.js**, ensuring optimal performance and enhancing user experience across various devices and browsers.
- Collaborated with the backend team to integrate **APIs**, implementing secure user authentication and session management using **JWT**, reducing security vulnerabilities by 20%.
- Played a crucial role in implementing **OWASP Top 10 security standards** to mitigate vulnerabilities, particularly focusing on **XSS prevention**, **secure API consumption**, and **authentication/authorization flows**.

- Worked closely with UI/UX teams to translate designs into pixel-perfect, user-friendly interfaces, improving the application's accessibility and ease of use.
- Collaborated with QA engineers to conduct front-end testing, utilizing tools like **Postman**, **Confluence** and **JIRA**, and ensured timely bug resolution.
- Worked on **Webmatics Online Service** and Snapfish e-commerce projects, achieving a 15% decrease in page load times via optimized React components and lazy loading.

Avantel Limited | Visakhapatnam, India

Web Developer Apprentice (January 2021 – January 2022)

- Enhanced front-end interfaces (navigation bar, menus, etc.) for internal applications controlling 5kW UHF and 1kW HF units.
- Collaborated with the engineering team to ensure the UI was seamlessly integrated with backend systems, facilitating easier control and monitoring of unit operations.
- Acted as a **mentor to the production team** post-R&D phase, reducing production issues by 15%.
- Optimized internal tools, resulting in a 15% increase in task completion speed for production teams.

KEY AI ASSISTED PROJECTS

Corporate Health Management System | Personal Project | (June 2024 – Aug 2024)
- **Role:** Full-Stack Developer, AI-Assisted
- **Overview:** Built a full-stack system for corporate medical camps with multi-role access (SuperAdmin, HR, User, Phlebo).
- **AI Usage:** Employed ChatGPT for rapid UI prototyping, code snippets, and debugging.
- **Achievements:**
  - OTP-based employee registration and role-based access control increased security and streamlined onboarding.
  - Integrated QR code generation and dashboards for vendors and managers, boosting operational efficiency by 30%.

Doctor Booking Consultation | Personal Project | (July 2024 – Aug 2024)
- **Role:** Full-Stack Developer, AI-Assisted
- **Overview:** Medical insurance-based system with Razorpay integration and Cosmos DB for real-time ticketing.
- **AI Usage:** Employed ChatGPT for rapid UI prototyping, code snippets, and debugging.
- **Achievements:**
  - Optimized back-end architecture using generative AI suggestions, reducing processing time by 15%.
  - Strengthened payment flows and real-time updates for improved user satisfaction.

Corporate Health Management Dashboards | Personal Project | (Aug 2024)
- **Role:** Full-Stack Developer, AI-Assisted
- **Overview:** Developed dashboards for vendors, clients, and super admins, integrated with Razorpay, and added automated Excel report generation.
- **AI Usage:** Employed ChatGPT for rapid UI prototyping, code snippets, and debugging.
- **Achievements:**
  - Automated real-time updates and reporting, improving process efficiency by 25%.
  - Used AI-based code reviews to enhance maintainability and reduce technical debt.

LLM-Powered Smart Q&A Assistant | Personal Project | (April 2025)

- **Role:** Full-Stack Developer, AI-Assisted
- **Overview:** Developed a full-stack web app that allows users to ask open-ended questions and get answers using Hugging Face's open-source LLM (mistralai/Mistral-7B-Instruct-v0.1).
- **AI Usage:** Integrated a free LLM using Hugging Face API to generate context-free responses dynamically, handled .env-based secret management and created a reusable axios service instance.
- **Achievements:**
  - Created a real-time Q&A interface with answer history stored in MySQL.
  - Implemented .env-based secure API handling with GitHub push protection best practices
  - Used AI tools (ChatGPT) for API error handling, UX polish, and logic optimization.

EDUCATION

Bachelor of Technology in Electronics & Communication Engineering | 2020
BITS Vizag (affiliated with JNTU-K) | Visakhapatnam, India

ACHIEVEMENTS

- **Payment Success Rate:** Improved by 15% through Razorpay integration and AI-assisted code optimization.
- **API Response Times:** Reduced by 20% via efficient backend infrastructure suggested by AI-based performance analysis.
- **Team Leadership:** Led a team building a multi-role corporate health management system, achieving a 30% workflow efficiency increase.

LANGUAGES

- English
- Hindi
- Telugu

Place : Hyderabad
Date : March 2025

(Pavan Kumar Kosuri)