

# Ravi Kishan

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Performance-driven Full Stack Developer & Computer Science enthusiast skilled in building scalable, secure, high-performance solutions across web, mobile, and cloud platforms. Proficient in cloud-native development, microservices, and DevOps, with expertise in designing robust infrastructures optimized for seamless scalability and automation. Passionate about system optimization, CI/CD, and software reliability. Adept at solving complex problems in dynamic environments where innovation drives success. Seeking to contribute expertise in cutting-edge application development, efficiency enhancement, and technological excellence in a forward-thinking organization.

## EDUCATION

### VIT, VELLORE

MCA

Present | Vellore, TN, India

### PIMRG, GWALIOR

BCA

June 2024 | Gwalior, MP, India

Cum. GPA: 9.6

### BSEB, PATNA

HSC

May 21 | Patna, Bihar, India

Percentage: 74%

### BSEB, PATNA

SSC

May 19 | Patna, Bihar, India

Percentage: 84%

## COURSEWORK

Computer Programming, Computer Network, DBMS, Operating System, Machine Learning, Software Engineering, Data Structures and Algorithms, Artificial Intelligence, Cloud Computing, OOPS, Cyber Security, Software Testing, Web Development

## SKILLS

### PROGRAMMING

**Programming Languages:** JavaScript, TypeScript, Java, Python, Go, Rust, C++, C, PHP

**Frontend Technologies:** React.js, Next.js, Tailwind CSS, Astro.js, Svelte

**Backend Frameworks:** Node.js (Express, NestJS), Django, Flask, Laravel, Spring Boot

**Databases:** PostgreSQL, MySQL, MongoDB, Firebase, Redis, Neo4j, Elasticsearch

**Cloud DevOps:** AWS (EC2, S3, Lambda), Azure, GCP, Docker, Kubernetes, Terraform, CI/CD (GitHub Actions, Jenkins), CDN

**Other Tools:** Kafka, RabbitMQ, Webpack, Selenium, Jest, Mocha, Chai, WebAssembly, Git, Flutter

## EXPERIENCE

### CHITI INFOTECH PVT. LTD. | FULL STACK DEVELOPER INTERN

Jan 2023 – Sep 2023 | Gwalior, MP

- Spearheaded the migration of a legacy **monolithic PHP application** to a modern **React-based Single Page Application (SPA)**, improving performance by **40%** and reducing load times.
- Developed and deployed **SPLANGO**, a customer management system, enabling businesses to efficiently track resources, onboard new clients, and streamline workflows.
- Implemented **Progressive Web App (PWA)** support, ensuring cross-platform compatibility and improving accessibility for users across multiple operating systems.
- Optimized front-end performance by leveraging **React best practices**, state management, and modular architecture, leading to a **25% reduction in API response time**.
- Collaborated with cross-functional teams using **Git and GitHub**, improving version control workflows and accelerating feature deployment by **30%**.
- Gained hands-on experience in **project management, time management, problem solving**, and effective team collaboration.

### FREELANCE FULL STACK DEVELOPER | UPWORK (REMOTE) & OFFLINE CLIENTS

Jan 2022 – Present | Remote & Onsite

- Successfully delivered **25+ projects** for global clients, including enterprise applications, SaaS platforms, and e-commerce solutions.
- Designed and deployed scalable **MERN stack applications** with optimized performance, resulting in a **35% increase in client engagement**.
- Developed **RESTful APIs and GraphQL endpoints** for seamless data communication, enhancing application efficiency and responsiveness.
- Implemented **DevOps best practices**, including CI/CD pipelines with **Docker, GitHub Actions, and AWS**, reducing deployment times by **50%**.
- Designed and optimized **database architectures** using **MongoDB, PostgreSQL, and MySQL**, ensuring high availability and performance.
- Integrated **authentication and authorization mechanisms**, including **OAuth, JWT, and Role-Based Access Control (RBAC)** for secure user management.
- Developed and optimized **SEO-friendly and accessible web applications**, improving search engine rankings and user experience.
- Collaborated with clients to define project scope, timelines, and deliverables, ensuring timely completion and high client satisfaction.

## PROJECTS

### RELAX.JS | A LIGHTWEIGHT AND MODERN FRONTEND LIBRARY

Jan 2025 | JavaScript, TypeScript, Vitest

- Designed and developed **Relax.js**, a virtual DOM-based frontend library to optimize UI rendering and state management.
- Achieved **efficient DOM updates**, leading to a **35% performance boost** in dynamic web applications.
- Published as an open-source **NPM package**, gaining **1000+ downloads within the first month**.
- GitHub**: [github.com/Ravikisha/Relax.js](https://github.com/Ravikisha/Relax.js) | **Live**: [npmjs.com/package/relaxcore](https://npmjs.com/package/relaxcore)

### MICROFRONTEND BLOG | SCALABLE BLOGGING PLATFORM USING MICROFRONTENDS

Dec 2024 | React, Module Federation, Redux, Clerk, Firebase, TailwindCSS

- Developed a **microfrontend-based blogging platform**, enabling independent feature deployments and modular architecture.
- Integrated **Firebase** for seamless authentication and database management, reducing API response times by **25%**.
- Used **Clerk** for secure user authentication, improving login efficiency by **40%**.
- GitHub**: [github.com/Ravikisha/Microfrontend-Blog](https://github.com/Ravikisha/Microfrontend-Blog)

### RELAXLANG | A SIMPLE INTERPRETED PROGRAMMING LANGUAGE

Jan 2024 | Java, C

- Built **RelaxLang**, an interpreted programming language inspired by **Lox** from *\*Crafting Interpreters\**.
- Implemented in both **Java** and **C**, supporting lexical analysis, parsing, and execution of scripts.
- Designed a **custom runtime environment**, improving script execution efficiency by **20%**.
- GitHub**: [github.com/Ravikisha/Relax.js](https://github.com/Ravikisha/Relax.js)

### GITASAAR | AI-POWERED BHAGAVAD GITA KNOWLEDGE ASSISTANT

Aug 2023 | LangChain, Flask, OpenAI LLM, Embeddings, BeautifulSoup4

- Developed **GitaSaar**, an AI application delivering Bhagavad Gita-based solutions to real-life issues.
- Employed **web scraping** to compile accurate **shlokas and interpretations**.
- Achieved **85%+ accuracy** in responses using **LangChain** and **OpenAI's LLM**.
- Enhanced query precision by **40%** through optimized **semantic search**.
- Reduced processing time by **30%** with a scalable **Flask** backend.
- Authoring a research paper on AI in spiritual domains.
- GitHub**: [github.com/ravikisha/gitasaar](https://github.com/ravikisha/gitasaar)

## CERTIFICATIONS & TRAINING

- Achieved **Microsoft Certified: Azure Fundamentals (AZ-900)** and **Azure AI Fundamentals (AI-900)**, demonstrating expertise in **cloud computing, AI services, and Azure architecture**.
- Earned the **IBM Full-Stack Developer** Certification on Coursera, completing **12 courses** covering:
  - Cloud Computing** and deployment strategies
  - Front-End Development** with **React, Redux, and TypeScript**
  - Back-End Development** using **Flask, Django, Node.js, and MongoDB**
  - Microservices Architecture** and **DevOps** best practices
- Completed the **Meta Full-Stack Developer** Certification on Coursera, covering:
  - HTML, CSS, JavaScript, and TypeScript** for scalable web applications
  - React and Single Page Applications (SPA)** for interactive UIs
  - Backend Development** using **Python, Express.js, and Node.js**
  - Continuous Integration/Continuous Deployment (CI/CD)** and **DevOps**
- Certified in **React Bootcamp** (Udemy), mastering **React, Redux, TypeScript, and advanced component design patterns**.
- Earned the **DevOps Certification** (Udemy), covering:
  - Jenkins, Ansible, Docker, Kubernetes, Terraform, Gradle, and Maven**
  - Infrastructure as Code (IaC)** and cloud automation techniques
- Passed multiple **HackerRank Certification Tests**, demonstrating technical proficiency in:
  - JavaScript, Python, SQL, Node.js, and React** (Basic & Intermediate Levels)
  - Problem-Solving and Algorithmic Thinking**
- Full-Stack Development Training** at **Praedico Global Research Pvt. Ltd.** (Dec 1, 2023 – Dec 21, 2023):
  - Projects**: Developed a **Student Management System** and a personal **Portfolio** website.
  - Technologies**: Utilized the **MERN stack** (**MongoDB, Express.js, React, Node.js**).

## ACHIEVEMENTS & AWARDS

- Participated in multiple **Open-Source Contribution Events and Hackathons**, demonstrating proficiency in **collaborative development, version control (Git/GitHub), and Agile methodologies**.
- Successfully completed the **Microsoft Learn Student Ambassador (MLSA)** program, gaining expertise in **Azure Cloud, AI, Full-Stack Development, and community leadership**.