

AJAY KUMAR SINGH

Full Stack Developer

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SUMMARY

Dynamic Full Stack Developer specializing in AI-driven solutions powered by ChatGPT API, Gemini API, Java Spring Boot, React.js, AWS, and Firebase. Expert in building intelligent, scalable, and automation-first systems that fuse machine learning intelligence with modern web architecture to deliver transformative digital experiences.

EDUCATION

AKTU

Bachelor's Degree in Computer Science Engineering
2016 – 2020

SCHOOL

St.Antony's Inter College

SKILLS

- **Languages & Frameworks:** Java, Spring Boot, React.js, REST API, AI Integration
- **Databases & Cloud:** MySQL, Firebase Realtime DB, Google Cloud APIs (Cloud Functions, Cloud Storage)
- **Tools & Platforms:** GitHub, Docker, Jenkins, VS Code, Android Studio, WordPress, WooCommerce
- **Others:** Payment Gateway Integration (Razorpay, PayU), ChatGPT API, SEO Optimization, Generative AI

NOTABLE PROJECTS

- **AI Saloon Booking ChatBot-** HTML5, CSS3, ChatGPT API, MySQL
- **Medical Report Analyzer and Suggestions** - OCR, ChatGPT API, Image Analyzer, GoogleLens, Google Cloud API
- **E-Commerce** - Woocommerce, Wordpress, 3rd Party API Integration, Delivery Management, SMS Alert API.
- **Investor Panel** - HTML, MySQL, PHP, Firebase E-Mail Authentication, Push Notification

PROFESSIONAL EXPERIENCE

QuizBox - AI Quiz Generator

Full Stack Developer | 2024 - Present

- Led end-to-end development of an AI-powered quiz platform with real-time user credit analysis, leveraging Firebase backend, AWS hosting, MySQL and Google Cloud Functions to ensure 99.9% uptime.
- Integrated multiple payment gateways (Razorpay, PayU), facilitating smooth transactions with zero downtime, increasing revenue by 25%.
- Automated quiz generation using OpenAI's ChatGPT API, improving content delivery speed by 50%.
- Implemented cron jobs and alert mechanisms using Firebase Cloud Functions and Google Pub, reducing maintenance time by 40%.
- Collaborated closely with product and marketing teams to align technical solutions with business goals, increasing monthly active users by 40%

XARDER E-commerce Platform

Full Stack Developer | 2022 - 2024

- Developed a robust e-commerce platform managing product catalogs, user authentication, and payment processing, increasing sales conversion by 35%.
- Integrated WooCommerce and WordPress with custom APIs, improving system flexibility and maintainability.
- Migrated backend to AWS EC2, Firebase Database, and Google Cloud Storage, ensuring high availability and scalability.
- Implemented proactive monitoring and logging using AWS CloudWatch, Firebase Analytics, and Google Cloud Monitoring.

Spyra IT Company

Software Developer | 2020 - 2022

- Developed Web App using HTML CSS PHP and cusytom APIs
- Handling Client problems and implementing their solutions guide clients to get full access to their resource.
- Optimizing codes to increase overall experience of customer of the client.
- SEO Optimization for Google Page Discovery and product display on Google Shopping tab.