

KISAN KUMAR JENA

Full Stack Software Developer

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PROFILE

Final-year Computer Science Engineering student and Full-Stack Software Developer with experience in modernizing production-grade web applications. Actively working on enterprise AI systems involving full-stack migration, API-driven architectures, and AI feature integration.

EDUCATION

A. P. Shah Institute of Technology (Affiliated to University of Mumbai), Thane

2022 – Present

Bachelor of Engineering in Computer Science and Engineering (Data Science)

- Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Artificial Intelligence, Machine Learning, Deep Learning, Operating Systems, Computer Networks, Cloud Computing, Big Data Analytics, Software Engineering.

EXPERIENCE

Passion Bytes

On-site | Thane, India | USA | UAE

Software Engineering Intern – Full Stack & AI

Dec 2025 – Present

- Working on **Zigma AI**, an enterprise metadata management platform, contributing to system optimization and scalable full-stack architecture. Migrating legacy backend logic to a **Python-based API architecture** (Flask/FastAPI) and integrating it with a **React-based frontend**. Refactoring SSR workflows into **API-driven CSR flows** and enhancing the platform with **AI-assisted features** to improve performance, maintainability, and overall code quality.

PROJECTS

Eat-fit AI – Nutrition Assistant Platform | GitHub

Jan 25 – Apr 25

- Developed an AI-powered web app for food analysis using barcode and label scanning to promote healthy eating habits.
- Integrated ML models for nutrient estimation, allergen detection, and personalized recommendations.
- Tech Stack:** Flask, FastAPI, MySQL, Tesseract OCR, OpenCV, Scikit-learn, LangChain, Bootstrap.

Forever – Full-Featured E-Commerce Platform | GitHub

Feb 25 – Apr 25

- Built a scalable e-commerce application with authentication, admin dashboard, and secure payment integration.
- Implemented REST APIs, optimized backend performance, and containerized deployment with Docker.
- Tech Stack:** React.js, Node.js, Express.js, MongoDB, Stripe, Razorpay, Cloudinary, Docker, AWS.

YT Analyzer – AI-Powered YouTube Channel Insights | GitHub

Oct 24 – Dec 24

- Developed an analytics tool providing NLP-driven insights such as title optimization and sentiment analysis.
- Integrated LLM-based content generation and vector database search for semantic recommendations.
- Tech Stack:** Python, FastAPI, LangChain, Hugging Face (T5), MySQL, BeautifulSoup, YouTube API.

SKILLS

Languages: Python, TypeScript, JavaScript, Java, SQL, C

Frameworks & Tools: React.js, Next.js, FastAPI, Flask, Node.js, Express.js, Redux, Tailwind CSS

AI-ML: LangChain, LLM Orchestration, Vector Databases, Scikit-learn, OpenCV, NLP Pipelines

Infrastructure: AWS, Docker, Kubernetes, REST APIs, WebSockets, WebRTC, Socket.io

Databases: MongoDB, MySQL, PostgreSQL

Dev Tools: Git, GitHub, Postman, Cloudinary, Stripe, Razorpay, Streamlit

ACHIEVEMENTS & CERTIFICATIONS

- Head of Web Development – Data Analytics Club:**
 - Led a team to build and maintain web projects.
- AWS Academy Graduate – Cloud Foundations – Mar'25**
- Machine Learning – Simplilearn – Apr'25**
- Data Visualization – Simplilearn – May'25**
- MySQL for Beginners – Great Learning – Apr'24**