

KISAN KUMAR JENA

Full Stack Software Developer

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PROFILE

Passionate Full-Stack Developer with hands-on experience in building scalable, user-focused web applications. Skilled in front-end and back-end technologies with strong problem-solving and collaboration abilities.

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.

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

Soft Skills: Problem-Solving, Team Collaboration, Communication, Agile Development

Practices: Scalable Architecture, API Integration, Clean Code, Version Control

MAJOR 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.

MINI PROJECTS

Movie Recommendations (Completed) — Built a semantic search-based recommendation engine using Hugging Face Sentence Transformers and MongoDB Atlas Vector Search. [\[GitHub\]](#)

TapChat — Minimal real-time chat application using MERN stack and WebSockets. [\[GitHub\]](#)

ACHIEVEMENTS & CERTIFICATIONS

- **Head of Web Development – Data Analytics Club:**
 - Machine Learning – Simplilearn – Apr'25
 - Data Visualization – Simplilearn – May'25
- AWS Academy Graduate – Cloud Foundations – Mar'25
- MySQL for Beginners – Great Learning – Apr'24