

Vivek Kumar

Software Developer

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Summary

Software Developer with **2.5+ years** of experience building scalable web applications, automation tools, and data-driven solutions. Skilled in **Python, JavaScript, FastAPI, Next.js, React.js**, with hands-on expertise in APIs, databases, and deployment. Familiar with **ML concepts** and applying lightweight models in real-world apps.

Key Achievements: Delivered 5+ production projects across EdTech, IoT, and automation; improved app performance by **25%** and accelerated development workflows.

Skills

Languages: Python, JavaScript, TypeScript
Frameworks: FastAPI, Next.js, React.js, Node.js, NestJS
Databases: SQL (PostgreSQL, MySQL), NoSQL (MongoDB, Firebase)
Tools: Docker, Git, Linux, RabbitMQ, AWS S3, REST APIs
Visualization: Streamlit, Matplotlib, Plotly
Other: CI/CD, Agile Methodologies, Version Control (GitHub, GitLab)

Experience

SpareVillage — Senior Full Stack Developer Jul 2025 – Present

- Developed an e-commerce platform using **NestJS, Docker, RabbitMQ, S3, and OpenSearch** for efficient storage, messaging, and high-performance search capabilities.
- Designed and optimized **OpenSearch indexing and ranking algorithms** to improve product search relevance and reduce query response time.
- Managed deployment pipelines and source code using **Git**, ensuring smooth CI/CD workflows.
- Implemented scalable backend APIs and optimized frontend integration to enhance user experience.
- Collaborated with the team to create a robust, high-performance e-commerce system for handling large-scale transactions.

Enthu Technology — Technical Engineer Mar 2024 – Jun 2025

- Created IoT dashboards and web solutions using **Python, React.js, Node.js, PostgreSQL**.
- Integrated Python-based ML models for anomaly detection and predictive monitoring.
- Designed data APIs for energy, agritech, and smart monitoring systems.

Margdarshan — Web Developer Jun 2023 – Mar 2024

- Built an EdTech platform with **Python FastAPI + React**, serving multiple student users.
- Developed a college predictor tool using Python ML models (**90% accuracy**).
- Maintained MySQL-backed APIs for authentication and content delivery.

Innomatics Research Lab — Data Science Intern Feb 2023 – May 2023

- Built a **Laptop Price Prediction Model** using Python ML techniques.
- Developed a healthcare chatbot with Python NLP for basic health advice.
- Cleaned and preprocessed datasets for training ML pipelines.

Projects

- Laptop Price Prediction** — Web app using **FastAPI + Streamlit**, predicting laptop prices from brand and specifications. Enhanced with interactive charts for trend analysis.
- ZENITHAPPLYAI** — Automation tool (**Python FastAPI, Selenium, LangChain**) that applies to LinkedIn jobs. Features include AI resume customization, job filtering, and automated form submissions.
- ThemeSwitch Utility** — Lightweight utility enabling dynamic light/dark/custom themes in React apps.

Education

B.E., Computer Science & Engineering — JCT College of Engineering & Technology 2020 – 2024
CGPA: **8.0 / 10.0**