

SHIVAM INDORE

Software Developer | Full-Stack & AI/ML Engineer | Final Year B.Tech CSE

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PROFESSIONAL SUMMARY

Final-year B.Tech CSE student and Software Developer with hands-on experience building full-stack web applications and AI/ML systems. Skilled in Python, Next.js, Django, FastAPI, and machine learning frameworks. Proven ability to architect scalable REST APIs, intelligent recommendation engines, and data-driven applications with up to 90% model accuracy. Passionate about writing clean, efficient code and delivering impactful software solutions.

TECHNICAL SKILLS

Languages	Python, JavaScript, TypeScript, SQL
Frameworks	Next.js, React, Django, FastAPI, Flask, Node.js, Express.js, Streamlit
AI / ML	Scikit-Learn, LangChain, RAG, ChromaDB, TF-IDF, SMOTE, Model Training, Jupyter Notebook
Databases	PostgreSQL, MongoDB, Firebase, MySQL, ChromaDB
Tools	Docker, Git, Redux Toolkit, Stripe API, Power BI, Pandas, NumPy, Matplotlib

PROJECTS

AI-Based Medical Recommendation System

Python • Django • Next.js • Scikit-Learn • Docker • SMOTE

- Built a full-stack AI web app predicting health conditions from patient data with 88–90% accuracy using Random Forest, SVM, and Decision Tree models.
- Applied SMOTE to resolve class imbalance; engineered a content-based filtering recommendation engine to match conditions with personalized medical guidance.
- Designed low-latency REST API routes and a responsive Next.js UI for real-time data preprocessing and seamless model inference.

CareerLaunch — AI-Powered Placement Platform

Python • Django • FastAPI • Next.js • PostgreSQL • Scikit-Learn

- Architected a full-stack career platform with an AI resume scoring engine using TF-IDF vectorization and cosine similarity for automated candidate-to-job matching.
- Built bulk-upload RESTful APIs with reduced parsing latency and an analytics dashboard delivering real-time placement stats and skill-gap recommendations.

NextShopp — E-Commerce Platform

Next.js • React • Node.js • MongoDB • PostgreSQL • Firebase • Redux • Stripe

- Developed a scalable SSR e-commerce app with Firebase Auth, Redux Toolkit state management, and Stripe API payment processing with automated order workflows.
- Designed normalized database schema with optimized indexing for high-concurrency product queries and rapid checkout transactions.

AI-Powered Precision Farming Assistant

Python • FastAPI • XGBoost • Scikit-Learn • Streamlit

- Built end-to-end ML app recommending optimal crops from soil/environment metrics using Random Forest, Gradient Boosting, and XGBoost; deployed via Streamlit dashboard.
- Conducted comprehensive EDA, feature scaling, and cross-validation tracking precision, recall, and F1-score for stable real-world predictability.

EDUCATION

B.Tech — Computer Science & Technology

2023 – 2027 (Final Year)

Jagran Lakecity University, Bhopal, Madhya Pradesh

CORE COMPETENCIES

Full-Stack Development • REST API Design • Machine Learning • NLP • RAG • Software Architecture • Agile • Database Design • Performance Optimization • CI/CD • Problem Solving