SHIVAM SHARMA

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Summary

Information Technology graduate with hands-on experience in software development, machine learning, and Generative AI. Built full-stack applications, REST APIs, ML systems, and LLM-powered applications using Python, JavaScript, React.js, Node.js, Flask, and MongoDB. Experienced in semantic search, document processing, and developing practical AI-driven solutions.

Education

A. P. Shah Institute of Technology **2022 – 2026**
Bachelor of Engineering – Information Technology *Mumbai, India*
CGPA: 7.63 / 10

Projects

Proactive Insurance Policy Guardian – AI-Powered RAG Application **2026**
GitHub

- Built an AI-powered web application that analyzes insurance PDFs and answers user questions using semantic retrieval and LLM-based generation.
- Implemented document processing with PyPDF2 and SentenceTransformers, using FAISS to retrieve relevant policy sections and Mistral-7B to generate context-aware responses.
- Added voice input, keyword highlighting, persistent chat history, responsive UI, and optional email delivery using Flask and JavaScript.

CultivateConnect – ML Crop Prediction Dashboard **Jan 2024**
GitHub

- Built and deployed a machine learning system for crop-yield prediction achieving 91% prediction accuracy.
- Served real-time predictions through Flask REST APIs and created interactive Chart.js dashboards backed by MongoDB.
- Implemented data visualization and trend analysis to present crop prediction results through an interactive web interface.

KrushiPal – Farmer-to-Consumer E-Commerce Platform **Oct 2023**
GitHub

- Built a full-stack marketplace connecting farmers directly with consumers through product, cart, and order management workflows.
- Developed role-based authentication and dashboards using React.js, Node.js, Express.js, and MongoDB.
- Optimized MongoDB queries for product search and order management across the application.

ARNav – AR Indoor Navigation System **2025 – 2026**

- Built a marker-based indoor navigation app using Flutter, Unity3D, and ARCore for real-time GPS-free wayfinding.
- Integrated Visual SLAM with REST APIs to track user position and display live directional overlays.
- Developed Firebase-backed indoor maps and points of interest with destination search and quick-access navigation.

Technical Skills

Languages: Python, JavaScript, C++, SQL, HTML, CSS
Frontend: React.js, Flutter, Tailwind CSS
Backend: Node.js, Express.js, Flask, REST APIs
Databases: MongoDB, MySQL, Firebase, SQLite
Machine Learning & AI: Scikit-learn, Pandas, NumPy, SentenceTransformers, FAISS, Generative AI, LLMs
Tools & Platforms: Docker, Git, GitHub, Ubuntu, Hugging Face

Certifications

- Zscaler Zero Trust Associate (ZTCA)
- AWS Data Engineering Virtual Internship (AICTE)
- Database Management System – NPTEL (IIT Kharagpur)
- Google AI-ML Virtual Internship (AICTE)
- Data Analysis with Python – IBM
- Programming Essentials in C++ – Cisco

Mentoring & Leadership

DevOps Club Mentor – A. P. Shah Institute of Technology **Jun 2025 – May 2026**

- Led hands-on Docker, Git, and GitHub workshops for 100+ students per session and mentored student teams on Agile workflows and version control.
- Planned and delivered technical sessions that helped increase DevOps adoption across campus.