

JITENDRA KUMAR SAINI

AI/ML Engineer · Python Developer · LLM & Agentic Systems

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PROFESSIONAL SUMMARY

AI/ML Engineer and Python Developer (B.Tech, AI & Data Science, 2026) with hands-on internship experience building end-to-end ML pipelines, LLM-powered agents, REST APIs, and computer vision systems. Comfortable across the stack — from model training in TensorFlow/Scikit-learn to deployment with FastAPI/Flask on Render and Vercel. Currently seeking a full-time AI/ML or Backend Developer role.

EXPERIENCE

AI Developer Intern — AbyM Technology Pvt. Ltd., Noida, UP

Jul – Sep 2025

- Engineered and deployed 3+ production AI/ML models using Python, Scikit-learn & TensorFlow, directly solving client business problems.
- Designed FastAPI & Flask REST endpoints and deployed 2 applications on Render and Vercel, handling 500+ daily requests with zero downtime.
- Implemented LangChain & LangGraph pipelines for LLM orchestration, reducing manual agent-monitoring effort by 60%.
- Delivered all assigned tasks ahead of schedule across a 3-month internship, maintaining a 100% on-time delivery rate.

PROJECTS

AI Chatbot — LangChain & LLM Integration

Python · LangChain · Groq · Streamlit · Streamlit Cloud

- Built a conversational AI chatbot with persistent session history and real-time response streaming, using LangChain (ConversationBufferMemory) for multi-turn orchestration via the Groq backend.
- Deployed on Streamlit Community Cloud with a clean, production-ready UI — [code →](#)

Real-Time Face Recognition Attendance System

Python · OpenCV · Deep Learning · MySQL · dlib

- Built an automated attendance system that detects and identifies students in real time from a live webcam feed using deep-learning face embeddings, auto-logging each entry into MySQL.
- Eliminated manual attendance tracking and cut logging errors to near zero — [code →](#)

Image Classification — Deep Learning Pipeline

Python · TensorFlow · Keras · NumPy · Matplotlib · Seaborn

- Built an end-to-end CNN pipeline with custom data augmentation, batch normalization, and dropout regularization; tuned hyperparameters systematically to improve validation accuracy.
- Visualized training curves, confusion matrices, and class-activation maps to interpret model decisions — [code →](#)

Data Analysis Dashboard & NLP Classifier

Python · Pandas · Scikit-learn · Flask · Render

- Conducted EDA on real-world datasets to surface actionable insights through statistical analysis and visualization; trained a TF-IDF + Logistic Regression text-classification model.
- Wrapped the model in an interactive Flask dashboard deployed on Render for non-technical stakeholders — [code →](#)

IoT Smart Monitoring System

Arduino · C/C++ · EasyEDA · Fusion 360

- Built a full IoT sensor-monitoring prototype end to end: microcontroller firmware in C/C++, a custom PCB in EasyEDA, and a 3D-modelled enclosure in Fusion 360 — [code →](#)

EDUCATION

B.Tech — Artificial Intelligence & Data Science | CGPA: 8.0/10

Arya College of Engineering, Jaipur — RTU Rajasthan | 2022 – 2026

TECHNICAL SKILLS

Languages: Python, SQL, C/C++, HTML

AI / ML: Scikit-learn, TensorFlow, Keras, OpenCV, Deep Learning, NLP, Computer Vision, CNNs, EDA

LLM / Agents: LangChain, LangGraph, Prompt Engineering, RAG

Backend & APIs: FastAPI, Flask, REST APIs, MySQL, SQLite

Data & Visualization: NumPy, Pandas, Matplotlib, Seaborn

Tools & Deployment: Render, Vercel, Git/GitHub, Linux, VS Code, Arduino IDE

CERTIFICATIONS

- AI Developer Intern Completion — AbyM Technology Pvt. Ltd. (Oct 2025)
- Advanced C/C++ Certification — Spoken Tutorial, IIT Bombay (2023)
- HTML Training Certification — Spoken Tutorial, IIT Bombay (2024)

Languages: Hindi — Native | English — Professional working proficiency