

SANSKRUTI VARADE

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SUMMARY

Python and AI/ML engineer who builds things that actually run in production — fine-tuned DistilBERT to 92.4% accuracy, shipped a live RAG pipeline, and wired real-time APIs with full CI/CD. Goes deep by default: reads the docs, writes the tests, checks the logs. Reaches for FastAPI and LangChain first. Published researcher (RTCSA 2026) on Generative AI for Cybersecurity.

TECHNICAL SKILLS

AI / ML: HuggingFace Transformers, LLM Fine-tuning, LangChain, RAG, FAISS, Vector Embeddings, scikit-learn, Pandas, NumPy, NLP, Groq API, OpenAI API

Backend: FastAPI, Node.js, PostgreSQL, MySQL, MongoDB, Redis, Pydantic v2, RESTful APIs, Data Pipelines

Languages: Python, TypeScript, JavaScript, SQL, Bash, Java

DevOps / Tools: Docker, GitHub Actions, CI/CD, Pytest, Git, Streamlit, React, Next.js

WORK EXPERIENCE

Software Developer Trainee — Infinity Techno Solutions

Jan 2026 – Jun 2026

- Built a full-stack Cybersecurity Threat Intelligence dashboard integrating 4 live APIs (AbuseIPDB, VirusTotal, HavelBeenPwned, IPStack) with RBAC, k-Anonymity breach detection, and 11-table SQL Server schema.
- Owned end-to-end delivery — architecture, build, testing, and deployment — as sole developer.

AI/ML Intern — Codec Technologies *(Letter of Recommendation)*

Apr – May 2025

- Trained and deployed NLP sentiment classifier (TF-IDF + Logistic Regression/SVM) via FastAPI REST endpoint with real-time inference; benchmarked accuracy and F1 across both models.
- Built Pandas/NumPy NLP preprocessing pipeline — reduced dataset prep time from ~3 hrs to under 10 mins.

Web Developer Trainee — Upturn India Technologies

Jun – Jul 2025

- Delivered 6 full-stack web apps with RBAC and MySQL backends in a 45-day sprint; introduced pre-deploy code review that reduced post-launch bug escalations.

PROJECTS

NuancelQ — Real-Time Sentiment Intelligence API · Python, DistilBERT, FastAPI, Redis, Docker, GitHub Actions

[GitHub](#) · [Live](#)

- Fine-tuned DistilBERT on 55K IMDB reviews — 92.4% accuracy, 0.979 AUC-ROC; async FastAPI with Redis caching, rate limiting, CSV batch inference (500 rows/request).
- 30-test Pytest suite · Dockerized · GitHub Actions CI/CD — end-to-end LLM fine-tuning to live production endpoint.

DocMind AI — RAG Document Q&A System · Python, LangChain, FAISS, Groq (Llama 3.1), FastAPI, Streamlit

[GitHub](#) · [Live](#)

- Production RAG pipeline — multi-doc Q&A with source attribution, confidence scoring, 5-turn memory, FAISS vector store; deployed live on Streamlit Cloud.

ChatAI-Cipher — Real-Time AI Chat Platform · Next.js, TypeScript, Socket.io, PostgreSQL, Groq API

[GitHub](#) · [Live](#)

- WebSocket multi-room chat with @cipher AI assistant (Groq Llama 3.3), live analytics dashboard, JWT auth; Neon Cloud PostgreSQL via Prisma.

Smart Cybersecurity Threat Visualizer · ASP.NET Core MVC, C#, EF Core, SQL Server, Chart.js, Leaflet.js, 4 live APIs ·

[GitHub](#)

- Real-time threat dashboard with RBAC, k-Anonymity breach detection, interactive global threat map, and 11-table SQL Server schema consuming AbuseIPDB, VirusTotal, HavelBeenPwned, and IPStack.

EDUCATION & CERTIFICATIONS

M.Sc. Computer Science

K.K. Wagh College, Nashik (SPPU) · 2024–26

CGPA: 8.27 / 10

Research: "Intelligent Honeypots Using GenAI" — Published, RTCSA 2026

B.Sc. Computer Science

K.V.N. Naik College, Nashik · 2021–24

CGPA: 7.75 / 10 | First Class with Distinction

Fine-Tuning Large Language Models — HuggingFace

Building Agentic RAG with LlamaIndex — DeepLearning.AI

Vector Databases: Embeddings to Applications —

DeepLearning.AI

LangChain for LLM Application Development —

DeepLearning.AI

Student Council President — Technophilia Tech Fest (200+ attendees, ₹50K budget)