

Varun Inamdar

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Education

Vishwakarma University

B.Tech in Artificial Intelligence — CGPA 8.7

Pune, Maharashtra

Aug. 2023 – May 2027

Vishwakarma University

Double Minor — CGPA 9.0

Pune, Maharashtra

Aug. 2025 – May 2027

Experience

AI Engineer

Drone Project Internship — Southern Command

June 2024 – Dec 2024

Pune, Maharashtra

- Designed payload drone system with high-load capacity and intelligent navigation.
- Implemented object detection, avoidance, and path tracking module.

Security Analyst — Web Application VA

Nimka

April 2025

Pune, Maharashtra

- Performed BurpSuite and OWASP ZAP assessment; found unencrypted forms and missing security headers.
- Documented findings per OWASP Top 10 with reproduction steps and mitigations.

Technical Skills

Languages & Technologies: C, Java, Python, SQL, JavaScript, TypeScript

Frameworks & Tools: React.js, Node.js, Express.js, Tailwind CSS, MongoDB, BigQuery, FastAPI, Flask

AI/ML Libraries & Platforms: Linux, TensorFlow, Scikit-Learn, Pandas, Keras, OpenCV, Streamlit, Hugging Face, Ollama, Gemini

Developer Tools & Cloud: Git, OWASP ZAP, BurpSuite, Docker, VS Code, Cursor, Postman, ONNX, Anaconda, Vercel

Projects

Tender Summarizer | *Python, NLP, Flask, JavaScript*

- Developed an industry-grade NLP pipeline for **KRIATEC PVT LTD**, enabling automated summarization and key insights extraction from tender PDFs.
- Orchestrated a pipeline with Transformers, NER, and preprocessing to extract structured entities from tender documents.
- Deployed and integrated the solution into company workflow, reducing manual review time significantly.

Cybersecurity AI Tutor and Evaluator | *React, FastAPI, Python, SQL/NoSQL/PL/SQL, Ollama*

- Topic-wise explanations, adaptive MCQs, confidence-based scoring; secure offline LLM deployment.
- Interactive Support – Offers detailed explanations, dynamic quizzes with feedback, and an AI chatbot for topic-specific guidance.
- Progress Tracking & Resources – Tracks user performance, generates structured PDFs, and delivers curated videos, labs, and materials for step-by-step skill building.

CNN-based Diabetic Retinopathy with LLM & XAI | *PyTorch, Grad-CAM, Hugging Face LLM, OpenCV, Flask*

- Developed a CNN-based model for diabetic retinopathy detection using retinal fundus images.
- Integrated **Grad-CAM** for explainable AI (XAI) to highlight regions influencing predictions.
- Augmented diagnosis support with LLM-based natural language explanations for clinicians.

Achievements

IBM Business Intelligence Foundations with SQL, ETL & Data Warehousing (Specialization) — Coursera Certificate.

Google Data Analytics Certificate — Certificate.

2× Hackathon Winner — Secured victories in innovation hackathons organized by **WILO**.