HARSH VARDHAN CHAUHAN

Haryana, India
vardhanharsh806@gmail.com ◇ LinkedIn ◇ GitHub ◇ Portfolio

EDUCATION

B.Tech in Computer Science (Data Science), Bennett University (2022–2026)
CGPA: 8.95
Relevant Coursework: Deep Learning, Machine Learning, Information Retrieval, AI Systems

EXPERIENCE

Inboxkitt — Dubai (Remote) *Forward Deployed Engineer (April 2026 – Present)*

- Act as the primary technical liaison for enterprise customers, troubleshooting complex product issues and driving resolution across support, engineering, and product teams.
- Execute and optimize customer onboarding workflows, implementation processes, and operational SOPs to improve adoption, reliability, and time-to-value.
- Collaborate with product and engineering teams to translate customer requirements into actionable improvements, feature enhancements, and technical solutions.

Arcflip, Inc. — US-based Startup (Remote) *AI Research & Algorithm Intern (Dec 2025 – Feb 2026)*

- Designed and built the core scoring engine for an AI-powered career-matching platform, integrating multi-dimensional quantitative signals to rank and surface best-fit candidates at scale.
- Engineered end-to-end Python automation pipelines that enforced data integrity, eliminated manual processing bottlenecks, and ensured consistent data flow across agentic workflows.
- Collaborated on scalable schema design to support diverse career pathways and high-volume user data; calibrated model outputs against reference profiles to improve accuracy and reduce scoring drift.

PROJECTS

Agentic AI Research Assistant *(Python, LangGraph, OpenAI API, Serper.dev, Streamlit)*

- Built a production-ready multi-agent deep research system inspired by Perplexity, orchestrating discrete agents across planning, retrieval, analysis, reflection, and synthesis stages using LangGraph with deterministic routing and controlled depth.
- Integrated real-time web search via Serper.dev to power Retrieval-Augmented Generation (RAG), enabling the system to synthesize live information into structured, citation-backed research reports.

Krishi Saahayak — Crop Disease Detection System *(Python, TensorFlow, CNN, Flask, TensorRT)*

- Designed and trained a custom CNN from scratch achieving 91.44% accuracy, boosted to 99.55% using an ensemble majority-voting strategy across multiple model variants handling real-world agricultural image data across 38 disease classes.
- Optimized the model for production using NVIDIA TensorRT and deployed it as a Flask REST API, enabling real-time inference; published findings at ICICC-2026 (Springer).

TalentScout Hiring Assistant *(Python, Streamlit, Hugging Face, Zephyr-7B)*

- Developed an LLM-powered candidate screening chatbot using Zephyr-7B that dynamically generates role-specific technical questions based on the candidate's declared tech stack, saving recruiters significant manual effort.

SKILLS

Agentic AI & LLMs: LangGraph, GPT-4o, Zephyr-7B, Hugging Face Transformers, Prompt Engineering, RAG
ML & Deep Learning: TensorFlow, Keras, Scikit-learn, XGBoost, LightGBM, CNNs, RNNs, LSTM
Programming: Python, C++, SQL, JavaScript
Tools & Infra: Flask, REST APIs, TensorRT, MySQL, Git, OpenAI API, Streamlit, Excel, React.js

PUBLICATIONS

- **Automated Identification of Crop Diseases Using Deep Learning Frameworks** — Co-authored; Accepted at *ICICC-2026* (Springer)
- **Leveraging Digital Devices for Behavioral Health Assessment via ML** — Co-authored; Published in *Springer* (2025) [View]