Vansh Dawra

Bachelor of Technology
in Information Technology (IT)
Indian Institute of Information Technology Una,

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GitHub
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EDUCATION

Degree	Institute	CGPA/ Percentage	Year
B.Tech IT	Indian Institute of Information Technology Una	7.2	2022-Present
Senior Secondary	Tiny Tots Public School	90	2020-2022

EXPERIENCE

- **QuickIntell** — *Mar 2025 - Present*
  Full Stack Developer Intern — **Letter**
  - Engineered a production-scale **RAG** system based prescription digitiser with **LLaMA4-Maverick** and **Pinecone** to process 30,000+ handwritten prescriptions data, boosting data accuracy.
  - Architected a scalable **Medusa.js** backend for a healthcare e-commerce platform, supporting **500,000+** products and **1,000+** concurrent requests.
  - Drove a **15%** increase in user acquisition by developing a **Next.js** virtual staging platform, achieving a **95+** Lighthouse score for SEO and boosting organic traffic by **40%**. available at **oflisting.com**
  - Deployed an **Algolia** recommendation system for a **350,000+** product catalog, increasing user engagement and conversion rates by **15%**.
  - Led end-to-end development of a cross-platform **React Native** AI healthcare app with **12+** features like personalised chatbot ,AI prescription analysis and Recommendation system called Xsmart, achieving a **99.5%** crash-free rate.

PROJECTS

- **Vision Forge** — *Feb. 2025 - Mar. 2025*
  A web-based platform that allows users to preview object detection models and generate usable APIs. — **GitHub**
  *Tech Stack: **Python**, **Flask**, **Next.js**, **OpenCV**, **Multithreading***
  - Engineered a full-stack web platform that cut YOLO model deployment time by **90%**.
  - Boosted real-time object detection performance by **50%** using OpenCV and multithreading.
  - Architected a feature to auto-generate **5+** REST APIs from YOLO models, saving developers **3+** hours of manual coding per model.
  - Developed an intuitive UI that streamlined model testing workflows, reducing user actions by **60%**.

- **Med-Chain** (Demo Video) | (Live Site) — *Aug. 2024 - Sep. 2024*
  A web platform connecting patients and hospitals for appointments, second opinions, and AI-based services. — **GitHub**
  *Tech Stack: **MERN (MongoDB, Express, React, Node.js)**, **Tesseract.js**, **Google Gemini API**, **Stripe***
  - Developed a MERN-stack platform for **2** user roles with **10+** features like appointment scheduling and secure payments.
  - Cut report analysis time by **70%** by enabling secure storage and AI-driven insights.
  - Integrated an AI agent that resolved **30+** query types with **92%** accuracy, reducing manual support requests by **25%**.

- **Whatsapp Chat Analyser** — *Jan. 2024 - Feb. 2024*
  A tool to generate analytics from WhatsApp chats — **GitHub**
  *Tech Stack: **Python**, **Pandas**, **Matplotlib**, **Plotly**, **Regex***
  - Developed a Python tool to analyze WhatsApp chat logs (up to **50MB**), extracting **15+** key insights in under **10** seconds.
  - Engineered **5+** data visualizations (e.g., time-series graphs, word clouds) to present complex chat data intuitively.
  - Validated application scalability by processing a large dataset of **22,000+** messages, demonstrating robustness.

TECHNICAL SKILLS

- **Programming Languages**: C, C++, JavaScript, Python
- **Web Development Stack**: HTML, Tailwind CSS, JavaScript, MongoDB, Node.js, Express.js, React.js, Next.js, PostgreSQL
- **Tools**: Git GitHub, Flowise (For AI Flows)
- **Python Tools**: Matplotlib, Regex, Numpy, Ultralytics(YOLO), Flask (backend)
- **AI Concepts Tools**: Large Language Models (LLMs), Retrieval Augmented Generation (RAG), AI Chatflows, AI Agents, LangChain/Flowise

ACHIEVEMENTS

- **Led development of an AI-powered health app with 6-member team**, Key features: personalised chatbot , AI product recommender (350K+ items via Algolia), medical report storage with AI analysis using self made prescription digitiser agent — *May 2025-July 2025*
- **Participated as a team leader in HackWar hackathon**, Participated and reached the final round of HackWars hackathon as one of the top 40 teams selected out of 2000+ teams, with a role of team leader — *15-16 Sep. 2024*
- **3 Star in CodeChef**, and 250+ DSA questions solved on various platforms. — *CodeChef*