




UJJWAL VERMA

Faridabad, Haryana, India

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Education

Bachelor of Technology in Computer Science(AIML)

2023-2027

Dronacharya College of Engineering

CGPA: 8.3/10

D.A.V. Public School, NH-3 Faridabad (CBSE)

March 2021 - March 2023

XII - 85% — X - 92%

Experience

Agentic AI Developer

April 2026 - Present

VerbaFlow LLC

Remote, United States

- **Engineered** and refined logic frameworks for Agentic AI specialized in UI/UX and front-end generation, increasing automated code output accuracy by 40%.
- **Audited** and optimized 2 production-level AI-generated web applications, resolving critical front-end bugs and improving API response times by 35%.

React Developer

August 2025 - October 2025

Brandfortip

Noida, Uttar Pradesh, India

- **Developed** core front-end components using React in an Agile startup environment, boosting page load speed by 25%.
- **Collaborated** with cross-functional teams to deploy responsive UI features, achieving a 15% reduction in API rendering delays.

ML Developer Intern

June 2025 - July 2025

JCB India Headquarters (IT Department)

Faridabad, Haryana, India

- **Deployed** machine learning models via REST APIs for Supply Chain Optimization, achieving 94% accuracy in demand forecasting.
- **Engineered** automated data pipelines using Python and Pandas to clean inventory datasets, accelerating EDA by 30%.

Technical Projects

NeuroDecode - AI Agentic Platform - Next.js, FastAPI, CrewAI, Gemini, PyTorch

March 2026

- **Engineered** an AI platform automating the translation of complex CV and NLP architecture diagrams into executable PyTorch code, reducing manual boilerplate time by 80%+.
- **Integrated** a multi-agent system powered by Gemini 2.5 Flash and RAG to orchestrate vision extraction and system analysis workflows, processing diagrams in under 15 seconds.
- **Architected** a scalable deployment pipeline by hosting the frontend on Vercel and the Python backend on Hugging Face Spaces, optimizing asynchronous API calls.

Multilingual System for Online Radicalization Detection - NLP, Python, TensorFlow

August 2025

- **Constructed** a two-step classification pipeline optimizing core algorithms and data structures (Trie) and an RNN-LSTM model to combat online extremism.
- **Programmed** a multilingual model achieving 99% accuracy in classifying content across English, Urdu, and Hinglish.

Brandfortip Corporate Website - React.js, Tailwind CSS, Figma

August 2025

- **Created** a high-performance website using React.js, optimizing for a 90+ Lighthouse score through lazy loading and asset optimization.
- **Converted** Figma designs into pixel-perfect, responsive interfaces and ensured web accessibility (WCAG).
- **Implemented** on-page SEO best practices to enhance brand presence and improve user engagement metrics.

Intelligent Demand Forecasting & Inventory Assistant - Python, Scikit-learn

June 2025

- **Formulated** an end-to-end machine learning application to predict product demand, attaining an R-squared of 0.82 and optimizing inventory.
- **Built** a user-friendly Streamlit interface for instant demand forecasts and reorder quantity suggestions.
- **Streamlined** inventory management, preventing stockouts and reducing holding costs by 15%.

Technical Skills

Languages & Core: Python, Java, JavaScript, SQL, C, **DSA** (Data Structures & Algorithms)

Gen AI & ML: LLMs (OpenAI, Gemini, Claude), **RAG** (LangChain, LlamaIndex), **Agentic AI** (CrewAI, LangGraph, AutoGen),

Tool Calling, Vector DBs (ChromaDB, Pinecone), PyTorch, Transformers

Backend & APIs: FastAPI, Node.js, Next.js, React.js, Django, **RESTful APIs**, Microservices

Cloud, DevOps & Data: MLOps, Docker, **Azure**, Hugging Face Spaces, PostgreSQL, MySQL, Streamlit

Tools & Profiles: Git, Postman, Linux, HackerRank: 5-Star Gold Badge (SQL & Problem Solving)

Certifications

Cloud & AI: Azure DP-900 (Microsoft), Neural Networks for CV & NLP - Gold Elite (NPTEL/IIT Guwahati),

Deep Learning - Gold Elite (Top 5%) (NPTEL/IIT Ropar), Gen AI Fundamentals (Databricks), Tech Saksham (Microsoft + SAP)

Programming: Java Programming - Silver Elite (NPTEL), C Programming (IIT Bombay)

Leadership, Honors & Awards

GATE Qualification: Qualified GATE Data Science & AI (DA) with an All India Rank (AIR) of 7528.

Design Lead, Google Developer Groups (GDG): Orchestrating design initiatives, managing public relations strategies, and enhancing community outreach for the college chapter.

Smart.AI Hackathon Winner: Secured first prize (8,000) for "Multilingual AI-Powered System for Online Radicalization Detection" with team Kasukabe Defence Force.

Smart India Hackathon Finalist: SIH 2024 Finalists, PS: SIH1689, Team name: Agrobuddies, A mobile app that calculates water footprint.

Engineers Day Idea Competition at DCE: Secured second place for designing a fire-resistant system for car accidents.