

Dhruv Tiwari

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SKILLS

Languages:	Java, Python, C++, SQL, JavaScript
Frameworks:	Flask, Django, React, Flutter, LangChain, Fast-API, TensorFlow
Tools/Platforms:	Git, Docker, Google Studio, Firebase, Postman, Hugging Face, Kaggle
Soft Skills:	Adaptability, Problem-Solving, Critical thinking, Team collaboration

INTERNSHIP

Tech Intern at DRDO (Defense Research and Development Organization – DMSRDE, Kanpur)	Jun'2025 - July' 2025
<ul style="list-style-type: none">Built Suvidha AI, an internal chatbot using Fast-API, Vector Search, and the Gemini API to deliver accurate, context-aware answers for GFR 2017 & PM 2025 queries.Instrumented intelligent document processing and semantic search pipelines over large rule PDFs, enabling context-aware answers with precise citations and achieving over 92% relevance in internal test queries.Shipped a secure, production-ready, end-to-end system with chat history, quick actions, and export features, reducing average information lookup time by approximately 80% for typical use cases.	

PROJECTS

Health Oracle – Smart healthcare diagnostic Django, SQL, TensorFlow, SMOTE	Dec'2024 - Jan' 2025
<ul style="list-style-type: none">Engineered a Django-based intelligent health system that predicts risks for 4 major diseases (heart, lung, liver, diabetes) using ML models achieving 85–92% accuracy.Integrated a Gemini-powered chatbots to provide instant medical guidance, increasing efficiency by 50%.Designed and developed a secure, responsive platform incorporating user profiles, prediction history, and actionable AI insights improving overall user engagement by 60%.	
Krishni Mitra – Web3 full stack mobile app for farmers Sepolia, Metamask API, ERC20 contracts.	Oct'2025
<ul style="list-style-type: none">Established and deployed 100 Cr Shankh tokens based on Ethereum test net. Purpose was to base the agriculture-based transactions on cryptocurrency to increase the scope and reach of trade.Achieved 91% accuracy using a location-aware crop prediction model, aiding small-scale farmers in decision-making.Orchestrated cross-functional teamwork and streamlined communication between developers and tester.	

TRAINING

Summer Training – Advanced Python for ML and AI (CSE PATHSHALA)	July'2025 – Aug'2025
<ul style="list-style-type: none">Formulated an Air Quality Index (AQI) prediction system using multiple ML models (Linear, Ridge, Lasso, Decision Tree, Random Forest), achieving a highest accuracy of $R^2 = 0.92$ in forecasting pollution levels.Embedded a complete ML pipeline including data cleaning, feature engineering,EDA, outlier handling, and hyperparameter tuning through Grid Search to ensure optimal model performance.Designed a modular OOP architecture (encapsulation, inheritance, polymorphism) that streamlined component management, improved scalability, and accelerated experimentation by 30–40%.	

CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Certified Data Science Professional – Oracle	Nov'2025
Oracle Cloud Infrastructure 2025 Certified Generative AI Professional – Oracle	Oct'2025
Oracle Cloud Infrastructure 2025 Certified AI foundations Associate – Oracle	July'2025

ACHIEVEMENTS

Awarded Academic Excellence Award for maintaining a CGPA above 9.3 across all semesters.	Nov'2025
Community Associate at Madhuban Sewa Samiti, awarded for exemplary service.	July'2024

EDUCATION

Lovely Professional University	Phagwara, Punjab
BTech in Computer Science (Artificial Intelligence and Machine Learning) – CGPA: 9.3.	Aug'2023 – Present
Dr. Virendra Swaroop Education Centre	Kanpur, Uttar Pradesh
Senior Secondary (CBSE) – Percentage: 95%	Apr'2021 – Mar'2022