

Anshu Kumar

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GitHub | LinkedIn | LeetCode | HackerRank

Professional Summary

Computer Science and Data Science undergraduate with experience in machine learning, backend APIs, and data-driven systems. Built ML pipelines, REST APIs, and real-time dashboards for enterprise and applied use cases. Interested in software engineering, data engineering, and applied AI roles.

Education

Indian Institute of Technology Madras	Chennai, India
<i>B.S. Data Science and Applications, CGPA: 8.02</i>	<i>May, 2024 – Apr, 2028</i>
Vellore Institute of Technology, Bhopal	Bhopal, India
<i>B.Tech in Computer Science, CGPA: 9.22</i>	<i>Aug, 2024 – Aug, 2028</i>
The Aditya Birla Public School, Renukoot	Renukoot, India
<i>Senior Secondary Education, Percentage: 87.2%</i>	<i>2022 – 2024</i>
Mangalam Vidya Niketan, Kolkata	Kolkata, India
<i>Secondary Education, Percentage: 91.33%</i>	<i>2012 – 2022</i>

Experience

UltraTech Cement Ltd. — Dalla Cement Works	Sonebhadra, UP
<i>Technology Intern – IT</i>	<i>Apr 2025 – May 2025</i>
• Automated logistics, procurement, and ERP workflows using SAP, Eyes on Wheel, and VendX, enabling plant-wide operational automation and seamless data flow across departments.	
• Built a real-time plant operations dashboard integrating frontend and backend systems, giving supervisors, logistics, and procurement teams unified live visibility.	
• Centralized all operational KPIs into a single dashboard, cutting manual reporting by 50% and significantly improving cross-team coordination and decision-making.	

Projects

VODA-S — Anti-Piracy AI System	January 2025
<i>Python, HTML, Gemini API, OOP Architecture</i>	
• Built AI-driven detection and administration modules to identify and verify pirated digital content at scale.	
• Integrated Gemini API with hash-based verification for automated content similarity and infringement detection.	
• Designed a modular OOP backend enabling scalable real-time monitoring, reporting, and take-down workflows.	
Crop Recommendation ML Pipeline	October 2025
<i>Python, CNNs, FastAPI, React Native, Scikit-Learn</i>	
• Designed a multimodal agricultural intelligence system combining soil image classification, geolocation-aware climate modeling, and ML-based crop prediction.	
• Built a CNN soil classifier and feature-engineered ML pipeline trained on 115,000+ samples across 60 crops , achieving 94.12% soil accuracy and 0.927 macro-F1 under extreme class imbalance.	

Skills

Languages: Python, Java, C++, HTML, CSS, JavaScript, Bash

Frameworks: Flask, Django, React, Vue.js, Bootstrap, Tailwind CSS

Data & ML: Pandas, NumPy, CNNs, Machine Learning, Model Training, Inference Pipelines

Tools: Git, Linux, Docker, Postman, VS Code

Databases: PostgreSQL, SQL

Certifications

- Tata Group — Cybersecurity Analyst Job Simulation — Nov 2024
- Google — The Bits and Bytes of Computer Networking — Dec 2025