

# Anshu Kumar

anshukumar2932@gmail.com | +918420725630  
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

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

## Experience

<b>UltraTech Cement Ltd. — Dalla Cement Works</b>	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 <b>plant-wide operational automation</b> and seamless data flow across departments.	
• Built a <b>real-time plant operations dashboard</b> integrating frontend and backend systems, giving supervisors, logistics, and procurement teams unified live visibility.	
• Centralized all operational KPIs into a single dashboard, <b>cutting manual reporting by 50%</b> and significantly improving cross-team coordination and decision-making.	

## Projects

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