

ANSHU KUMAR

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GitHub | LinkedIn | LeetCode | Portfolio | HackerRank

EDUCATION

Indian Institute of Technology, Madras Data Science and its Application BS Degree CGPA: 8.02 till date	Chennai, India 2024 - 2028
Vellore Institute of Technology Computer Science B.Tech GPA: 9.22	Bhopal, India 2024 - 2028
The Aditya Birla Public School Degree in Senior Secondary Education Percentage: 87.2%	Renukoot, India 2022 - 2024
Mangalam Vidya Niketan Degree in Secondary Education Percentage: 91.33%	Kolkata, India 2012 - 2022

EXPERIENCE

UltraTech Cement Limited Dalla Cement Works Technology Intern IT & Automation Systems Sonebhadra, Uttar Pradesh, India April 2025 - May 2025
<ul style="list-style-type: none">Worked with SAP, Eyes on Wheel, and VendX to automate logistics, procurement, and ERP workflows across plant operations.Developed a plant operations dashboard integrating frontend/backend systems, providing real-time visibility to supervisors, logistics teams, and procurement managers.Enabled faster decision-making, reduced manual reporting, and improved cross-team coordination by centralizing operational KPIs into a single live dashboard.Gained hands-on experience in enterprise automation, industrial IT systems, and data-driven process optimization in a large-scale manufacturing environment.

SKILLS

Programming Languages:	Python, Java, C++, HTML, CSS, JavaScript, Bash
Libraries/Frameworks:	Flask, Django, Numpy, Pandas, Vue.js, Bootstrap, Tailwind CSS, React.js
Tools / Platforms:	VS Code, Git, Linux, Bash, Docker, Postman, Figma, Jupyter Notebook
Databases:	SQL, PostgreSQL, MongoDB, Redis

PROJECTS / OPEN-SOURCE

VODA-S Link	<i>Python, HTML</i>
<ul style="list-style-type: none">* Developed the Detection and Administration modules for an AI system that identifies and verifies pirated content online.* Implemented Gemini API based content analysis and hashcode verification for automated detection.* Designed modular OOP architecture enabling scalable real-time monitoring and takedown workflows.	
Crop-Recommendation ML Pipeline with Soil Imaging & FastAPI Link	<i>Python, Pandas, Scikit-Learn, Jupyter Notebook, React.js</i>
<ul style="list-style-type: none">Designed a multimodal agricultural intelligence system combining image-based soil classification, geolocation-aware climate modeling, and machine learning based crop prediction.Built a CNN-based soil classifier and a feature-engineered ML pipeline trained on 115,000+ samples across 60 crops, achieving 94.12% soil accuracy and 0.927 macro-F1 on crop prediction under extreme class imbalance.Deployed the end-to-end inference stack using a FastAPI backend and a TypeScript frontend, enabling real-time decision support and water-requirement analysis.	

CERTIFICATIONS

- Tata Group - Cybersecurity Analyst Job Simulation