

# 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

- Worked with **SAP**, **Eyes on Wheel**, and **VendX** to automate **logistics, procurement, and ERP workflows** across plant operations.
- Developed a **plant operations dashboard** integrating **frontendbackend 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](#)

*Python, HTML*

- \* Developed the **Detection** and **Administration** modules for an AI system that identifies and verifies pirated content online.
- \* Implemented **Gemini APIbased 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](#)

*Python, Pandas,*

*Scikit-Learn, Jupyter Notebook, React.js*

*Pandas,*

- Designed a **multimodal agricultural intelligence system** combining **image-based soil classification, geolocation-aware climate modeling, and machine learningbased 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