



AYUSH SHARMA

Course : **B. Tech**, Computer Science & Engineering, 2025
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PERCENT : 70



EDUCATION

Course	College/School	% / CGPA
Class XII (2021) CBSE	Kadam Public School	94
Class X (2019) CBSE	Kadam Public School	88.4

EXPERIENCE

Machine Learning Intern, Unified Mentor | Sep 2024 – Present

- Developed a **Diabetes Detection System** with **94% accuracy**, providing predictions in under **3 seconds** using **Python, TensorFlow, and Keras**, significantly improving diagnostic **speed** and reliability in healthcare applications.
- Collaborated with **5 data scientists**, boosting model efficiency by **15%** through optimization and cross-validation.

Software Developer, Prodigy Infotech | July 2024 – Aug 2024

- Built a **real-time chat system** for **200+ users**, reducing server response time by **30%** with over **4000 lines of code** in **Java, WebSocket, MySQL, and JWT**.
- Enhanced security by reducing unauthorized access by **20%** through **JWT** integration, ensuring safe communication.

PROJECTS

Hybrid Leaf Disease Detection [🔗](#) | Apr 2024 – Present

- Integrated a **hybrid leaf disease detection** system using **CNN** and **ViT**, achieving **98% accuracy** and reducing crop losses by **20%** while handling **5000+ test samples**.
- Improved model generalization by **12%** through data augmentation, boosting accuracy across various leaf types.

Live Weather Dashboard [🔗](#) | Jun 2024 – Sep 2024

- Designed a live weather dashboard with **Python (Flask/Django)** and **JavaScript**, delivering real-time updates with **95% accuracy** and instant weather alerts.
- Added location-based weather predictions, improving forecast accuracy by **10%** for over **100 locations**.

Real-Time Object Measurement System [🔗](#) | Jul 2024 – Aug 2024

- Created a real-time object measurement system with **90% accuracy** and **±2mm precision**, using **Python (OpenCV)**, supporting webcam and mobile input via **IP Webcam**.
- Enhanced precision by **15%** with adaptive measurement techniques for varying object sizes in live camera feeds.

TECHNICAL SKILLS

- Languages:** Java, C/C++, Python, JavaScript
- Databases:** MySQL, MongoDB, DBMS
- Frameworks:** Spring, Angular, React, Node.js, Flask/Django
- Familiar With:** Machine Learning, Data Analytics
- IT Constructs:** DS and Algorithms, OOP, OS (Linux)
- Development tools:** Visual Studio, Git/GitHub, PyCharm, HTML, CSS
- Cloud:** AWS, Microsoft Azure
- DevOps:** Docker, Kubernetes, CI/CD, Terraform

CERTIFICATIONS

- AWS Academy Cloud Foundations
- AWS Certified Solutions Architect Associate
- AWS Academy Cloud Architecting
- Docker and Kubernetes
- Java Basic

LINKS

- [Hacker Rank](#)
- [Leet Code](#)
- [Code chef](#)
- [GitHub](#)
- [LinkedIn](#)
- [Portfolio](#)