

Ayush Sharma

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EDUCATION

Bharati Vidyapeeth's College of Engineering, GGSIPU, New Delhi, India <i>B.Tech. in Information Technology with Minor Specialisation in AIML</i>	CGPA: 8.8 2022 – 2026
Bhatnagar International School, New Delhi, India <i>Class 12th</i>	Percentage: 76 2021–22
Bhatnagar International School, New Delhi, India <i>Class 10th</i>	Percentage: 87 2019–20

TECHNICAL SKILLS

Programming Languages: Java , Python, HTML, CSS, Java Script, Basics of C and C++, ReactJS

Frameworks: Flask, Tensorflow, Pytorch, Streamlit



Courses Studied: OOPs, DBMS, OS, TOC, DSA, CN, AI, SE

AI & Machine Learning: Numpy, Pandas, Matplotlib , Scikit-learn, Seaborn




Database Management: MySQL

Version Control: VS Code, Git, Github, PowerBI, Figma, Canva, Vercel, PyCharm

EXPERIENCE

Internship Training in Data Science <i>Certification by VeeyoTech</i>	July 2024 Delhi
<ul style="list-style-type: none">• Gained expertise in Python, SQL & Power BI for data analysis and model evaluation• Value Vision made a house price predictor in this using Python Library Scikit-learn,matplotlib. 	
Machine Learning Intern at Unified Mentor (Remote) <i>Certification By Unified Mentor</i>	May- Aug 2025 Delhi
<ul style="list-style-type: none">• Developed projects like animal classification, mobile price prediction, forest cover prediction, liver cirrhosis prediction and achieved the markable accuracy on all the projects. 	

PROJECTS

RefiNet — Python, StreamLit, Pytorch, MSAFN(Custom CNN) 	May-June 2025
<ul style="list-style-type: none">• This project aims to compress a powerful image enhancement model (MSAFN) into a lightweight student model (LightMSAFN) using knowledge distillation• Achieve high SSIM (0.9792) and PSNR (51 dB) in a compressed model.	
V-Secure An Intelligent Data-Driven Model for Intra-Vehicle Communication Python, Flask  Mar 2025	
<ul style="list-style-type: none">• Developed an intelligent system to detect DoS, fuzzy, RPM spoofing, and gear spoofing attacks, achieving a 99% reduction in false positives.• Leveraged 7 deep learning and 3 machine learning models, live car hacking news for real-time threat detection and intrusion prevention.	
ReAct-Drive — Python, OpenCV 	May 2025
<ul style="list-style-type: none">• Built a real-time driver drowsiness and yawning detection system using OpenCV, enhancing safety through continuous visual monitoring.• Integrated alert mechanisms and Google Maps API to suggest nearby rest locations, enhancing driver safety through intelligent assistance.	

CERTIFICATIONS AND ACHIEVEMENTS

- **Best NSS Volunteer Award**
- **Excelsior Award 2025**
- **DSA in JAVA- CODING NINJAS**

POSITION OF RESPONSIBILITY

IEEE BVCOE - GAMMA Head, Computer Society(CS) Logistic Head	May 2024 - Present
<ul style="list-style-type: none">• Worked as an active member in organising team for WIEHack 5.0, a highly successful 36 hours hackathon that attracted more than 1800 students from India and 31+ countries.• Organised Design Verse for CS as Logistic head.	