

HARSH SHARMA

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Education

KIET Group of Institutions

Bachelor of Technology in Computer Science and Engineering

08/2019 – 07/2023

Ghaziabad, Uttar Pradesh

- Graduated with a **CGPA of 8.6**.
- Completed coursework in advanced programming, algorithms, and data structures.

Delhi Public School

Senior Secondary (XII)

08/2018 – 05/2019

Ghaziabad, Uttar Pradesh

- Achieved a **percentage of 92.80%**, demonstrating excellence in core subjects.
- Specialized in Mathematics and Computer Science, providing a strong foundation for engineering studies.

Technical Skills

Programming Languages: Python

Web Technologies: Angular, Django, HTML, CSS, Flask

Machine Learning: Supervised Learning, Unsupervised Learning, Deep Learning, Computer Vision, NLP, Large Language Models (LLM), Data Science

Data Analysis: Pandas, NumPy, Scikit-learn, TensorFlow, Keras

Tools and Frameworks: Selenium, AWS, Git, MySQL, OpenCV

Software Development: Data Structures, Algorithms, Object-Oriented Programming (OOP), SDLC

Work Experience

Consultadd

Software Engineer

07/2023 – Present

Pune

- Designed and implemented an **NLP-based influencer tagger**, resulting in an **80% increase in targeted advertising efficiency** and generating \$80,000 in additional revenue.
- Engineered an **automated generator parts detection system** for military applications, enhancing reporting accuracy by **40%**.
- Integrated **advanced prompt generation features** into internal products, significantly improving business insights and decision-making processes.
- Developed and maintained front-end functionalities using **Angular** and back-end features with **Django**, delivering high-quality software solutions aligned with client needs.

Lens Corporation

Computer Vision Research Intern

09/2021 – 03/2022

Gurgaon

- Developed and optimized **state-of-the-art ML and DL models** for various computer vision tasks, improving model accuracy by **5%**.
- Led a team of 4 researchers, achieving **successful project outcomes** and fostering collaboration.
- Designed and implemented a comprehensive **face attendance system**, enhancing client operations and reducing manual entry errors by **10%** and preventing finger touches during Covid19

Projects

Credit Default Analysis

01/2022 – 02/2022

- Technologies: Machine Learning, Deep Learning, Python
- Solo Project: Conducted credit card fraud detection using advanced ML techniques, achieving **94% classification accuracy** and identifying fraudulent transactions with **high precision**.

Gender Classification using Arc Face Features

12/2021 – 12/2021

- Technologies: Python, ML, DL
- Led a team of 4: Implemented arc face techniques, combining features with SVM and KNN to achieve **95% accuracy in gender classification**.

Locomotion in VR using AI

01/2022 – 02/2022

- Technologies: Python, OpenCV, Deep Learning, Unity, Firebase
- Team Project: Developed a real-time hand gesture detection system, improving user interaction in VR environments with **high responsiveness and accuracy**.

Publications

- **Title:** An Intelligent Sensor-Based Decision Support System for Diagnosing Pulmonary Ailments through Standardized Chest X-ray Scans
- **Technology:** Transfer Learning, Convolutional Neural Networks (CNN)
- **Journal:** Sensors
- **Impact Factor:** 3.847

Achievements

- Solved over **700 coding problems** across multiple platforms (2022-24), demonstrating strong problem-solving skills and algorithmic proficiency.
- Invited as a **Guest Speaker** at **15+ international AI conferences** (2022-24) for sharing insights and advancements in AI.
- Won **Ideathon 3.0** (2021), showcasing innovative solutions and creative problem-solving abilities.
- Achieved **AIR 4** in the AmExpert Annual ML Hackathon by American Express (2022), recognized for excellence in machine learning challenges.

Certifications

- AWS Machine Learning - Specialty (03/2024 – 03/2026)
- AWS Solution Architect - Associate (09/2023 – 09/2025)