Aditi

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EDUCATION

KIET Group of Institutions, AKTU — Ghaziabad, India
B.Tech - Computer Science and engineering, 79.0% — *2022 – 2026*

Kendriya Vidyalaya, CBSE — Ghaziabad, India
Senior Secondary (12th) - 77.0% — *2021 – 2022*

Kendriya Vidyalaya, CBSE — Ghaziabad, India
Secondary (10th) - 75.0% — *2019 – 2020*

INTERNSHIP

DRDO (SAG) - Ministry of Defence — New Delhi, India
Machine Learning Intern – Image Enhancement — *June 2025 – Present*
- Working on ML-based image enhancement using diffusion models for clarity and resolution improvement.
- Gaining experience in real-world applications of AI in intelligent traffic systems and surveillance technologies.

PROJECTS

Real-Time Number Plate Enhancement & Recognition | Python, OpenCV, EasyOCR, Kaggle — Mar 2025
- Developed a real-time system to enhance and detect vehicle number plates using OpenCV and EasyOCR.
- Built a custom image preprocessing pipeline to improve contrast and readability in low-quality traffic images.
- Replaced Haar Cascade with deep learning-based OCR models for better accuracy and robustness.
- Created a modular, beginner-friendly Kaggle notebook to demonstrate the complete workflow.

Portfolio Website | HTML, CSS, JS — Jan 2025
- Created a responsive portfolio with smooth scrolling and key sections.
- Optimized performance and SEO via minified scripts and meta tags.
- Hosted live on GitHub Pages, linking all social and project profiles.

Blogging Platform | HTML, CSS, JS — Oct 2024
- Built a responsive blogging platform for writing and publishing posts.
- Designed a clean, intuitive UI focusing on accessibility and usability.

CERTIFICATIONS

NPTEL: Data Science and Engineering — Jul – Sep 2024
NPTEL: Personality Development — Aug – Oct 2024

ACHIEVEMENTS

1st place in Smart India Hackathon – Department Level

3rd place in Department Technical Fest

Winner – Open Mic Competition (Public Speaking)

LEADERSHIP & ACTIVITIES

Core member at Innogeeks (Tech Society), Coordinated juniors in Machine Learning projects

Head – KIET Movie Society; lead roles and creative direction.

Designed UX/UI in HackCBS 7.0 team project.

Solved 300+ questions on LeetCode.

Participated in UI/UX design workshops.

SKILLS

Technical Skills: C++, Python, C, MySQL, HTML, CSS, PyTorch, OpenCV, Machine Learning, Data Analysis, EasyOCR, Tesseract OCR, Git, GitHub, Figma, UI/UX Design

Soft Skills: Problem Solving, Communication, Team Collaboration, Ownership, Leadership, Adaptability