

SHAILESH PAWALE

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EDUCATION

KLE TECHNOLOGICAL UNIVERSITY (B.E. IN CSE)	9.35 CGPA	2022-2026
K.L.E. RLS COLLEGE (12TH PUC)	96.83%	2020-2022
ST. XAVIER'S HIGH SCHOOL (10TH SSLC)	95.2%	2011-2020

PROFESSIONAL EXPERIENCE

NVIDIA

Project Intern

Aug 2024 - Jan2025

- **Developed a framework** to analyse **SNR degradation** impact on **deep neural networks**, focusing on small object detection.
- Processed a dataset of **9,744 images** with **controlled noise (6dB to 28dB)** and trained a **YOLO** model, experimenting with layer freezing techniques.
- Achieved **76.8% mAP@0.5**, demonstrating improved **small object detection** in high-noise environments, and proposed optimization strategies for real-world applications.

SKILLS

- **P Programming Languages:** C, C++, Python, JavaScript, SQL
- **Technologies & Frameworks:** HTML, CSS, React, React Native, Node.js, Express.js
- **Tools:** Git, GitHub
- **Languages:** English (proficient), Marathi (native), Hindi, Kannada

ACHIEVEMENTS ([Certifications](#))

- **Best Paper Award** at ICTIEE 2024 for "Image-e-cation: An Image-Centric Solution to Cross-Cultural Healthcare Communication," recognizing contributions to healthcare education.
- Secured **47th rank out of ~540 teams** in **WiDS Datathon 2024 (Challenge 2)**, analyzing climate and socio-demographic impacts on metastatic cancer diagnosis delays.
- Achieved **4th place** in **Venture Vibe 1.0**, organized by the **Center for Technology Innovation and Entrepreneurship**, showcasing innovative solutions and entrepreneurial skills.
- **Selected in the Top 15** of **WCE Hackathon** for developing a **mobile application** in the **air quality domain**, focusing on environmental monitoring and data-driven insights.
- Certified in "**The Complete Full-Stack Web Development Bootcamp**" from Udemy (61.5 hours), issued in March 2025. Gained hands-on experience in front-end and back-end technologies, including HTML, CSS, JavaScript, Node.js, Express.js, PostgreSQL, and React.
- Completed the be10x **AI Tools and ChatGPT** Workshop on 30th March 2025. Acquired practical skills to create presentations, analyze data, and debug code efficiently using AI tools.

PROJECT

- **MediVista**, an AI-powered healthcare assistance platform built with **React.js, CSS, MongoDB**, featuring a step-based symptom checker, interactive visual selections, AI-driven diagnosis, and clinic recommendations.
- A dynamic and responsive **Personal Portfolio** website built with React.js and CSS, featuring an elegant UI, interactive navigation, dark mode support, and a structured showcase of projects, skills, and experiences.

EXTRA-CURRICULAR

- **Public Speaking Member** of CodeClub and **MITRA mentor**, refining communication through debates, speeches, and technical discussions. Mentored juniors and hosted workshops, reinforcing the value of mentorship.