

Apeksha M. Bannigidad

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EDUCATION

KLE Technological University (B.E. in CSE)	9.51 CGPA	2022–2026
Vidyaniketan PU Science College (12 th PUC Science)	97.50%	2020–2022
Presentation Girls' High School (10 th SSLC)	96.64%	2019–2020

PROFESSIONAL EXPERIENCE

Project Intern	February 2025 – Present
NVIDIA	Remote
<ul style="list-style-type: none">Developing a Python-based alternative to MATLAB's sfrmat5 tool for Modulation Transfer Function (MTF) measurements, ensuring identical functionality and accuracy.Collaborating in weekly discussions to enhance modular Python functions and conducting unit tests to validate outputs against MATLAB results.	

PROJECTS

In-Semester Assessment Management System	December 2024 – January 2025
<ul style="list-style-type: none">Developed an automated exam scheduling system using ReactJS, NodeJS, Express, MySQL, HTML, and CSS to efficiently allocate faculty duties, classrooms, and generate timetables.Developed modules for roll number-based student seating, automated question paper distribution, absentee tracking, and makeup timetable generation. Integrated PDF/CSV export for seating plans, timetables, and attendance reports to enhance administrative efficiency and reduce manual work.	
AI-Generated Face Detection using RvAI Classifier	November 2024 – February 2025
<ul style="list-style-type: none">Developed an RvAI classifier by leveraging machine learning and deep learning techniques, integrating DenseNet-121 with advanced feature extraction methods to enhance AI-generated image detection.Achieved 92% accuracy on the 140K Real and Fake Faces dataset, surpassing state-of-the-art models by 5%.	
Change Detection in Hyperspectral Imagery	October 2024 – February 2025
<ul style="list-style-type: none">Developed a semi-supervised change detection model by integrating multi-scale feature extraction within a Teacher-Student framework, enhancing robustness and precision in land cover change detection.Evaluated the model on diverse hyperspectral datasets, including wetlands, agricultural irrigated land, farmland, and river regions, demonstrating adaptability across multiple terrains.	

ACHIEVEMENTS

- Presented a research paper at **CRM 2025**, held at **SR University, Warangal**.
- Competed in the **ICPC India Preliminary 2024**, a prestigious programming contest.
- Achieved a **10 SGPA** in the 2nd semester, reflecting academic excellence.
- Placed **3rd** on the weekly **Naukri Code360** leaderboard and **12th** in the institute, demonstrating strong problem-solving skills.
- Solved **500+ problems** on **LeetCode, CodeForces, GeeksforGeeks, CodeChef, Coding Ninjas**, and **HackerRank**, earning multiple badges.
- Participated in the **WiDS Datathon 2024 Challenge 2**, a global breast cancer detection competition.

TECHNICAL SKILLS

Programming Languages: C/C++, Python, JavaScript, HTML/CSS
Competent in: React.js, Node.js, Express.js, MySQL, MongoDB, Git, Github, VS Code, Docker
Spoken Languages: English (Proficient), Kannada (Native), Hindi (Native)

EXTRA-CURRICULAR

- Participated in **40+ competitive programming contests** and mentored juniors on data structures concepts.
- Served as **Cleanliness Minister** in high school, organizing campus and community hygiene initiatives.