

HARSHWARDHAN GAIKWAD

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Education

Indian Institute of Technology, Hyderabad

2025 - 2028 (exp.)

MTech in Computer Science and Engineering

AISSMS Collee of Engineering, Pune

2021 - 2025

B.E in Computer Engineering

8.12 CGPA

Sant Tukaram National Model School

2019 - 2021

12th CBSE

91.20%

Experience

Research Assistant

2025 - present

Networked Wireless Systems Lab, IIT, Hyderabad

Technical Skills

Languages: Python, C, C++, SQL

Libraries: Scikit-Learn, Pytorch, Numpy, Pandas, Matplotlib

Databases: MySQL, MongoDB

Developer Tools: VS Code, GitHub

Relevant Coursework

Data Structures and Algorithms, Software Engineering, Databases, Computer Networks, Operating Systems, Linear Algebra, Calculus, Machine Learning, Deep Learning

Technical Projects

Python Search Engine

- Developed a Python application for efficiently searching user-provided text in a large collection of text files.
- Implemented a combination of Boyer-Moore algorithm and inverted indexing with TF-IDF weighting and cosine similarity.

Process Scheduler Simulator (C++)

- Built a custom scheduler simulating Round-Robin, SJF, and Priority Scheduling algorithms.
- Implemented process synchronization using mutex locks and semaphores to handle concurrent execution.
- Analyzed the efficiency of different scheduling policies under various workloads.

Skin Cancer Detection using Deep Learning - BE Project

- Worked under the mentorship of Dr. D P Gaikwad in a team of four.
- Designed the architecture and built a deep learning model for skin cancer detection.
- Developed a full-stack deep learning application to detect and categorize different types of skin cancer.
- Experimented with various image classification architectures

Certifications

- **Machine Learning Specialization - Deeplearning.AI, Stanford University:** [Link](#)

Coding Profiles

LeetCode: [hrshg22](#)

Achievements

- Achieved a rank of **2100 (Top 1.7%)** out of 125,000 candidates in **GATE CSE 2024**
- Achieved a rank of **1225 (Top 0.8%)** out of 170,000 candidates in **GATE CSE 2025**
- Solved **350+** Questions across Coding Platforms like Leetcode, Codeforces and Codechef