

SAI DEEPAK VARANASI

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Portfolio

Education

Institute of Aeronautical Engineering, Hyderabad

B.Tech in Information Technology

Expected June 2026

CGPA: 8.75/10

Narayana Junior College, Hyderabad

Higher Secondary Education

2020 – 2022

Percentage: 95.2%

Narayana E-Techno School, Hyderabad

Secondary Education

2019 – 2020

GPA: 10.0/10.0

Technical Skills

Languages: Java, Python, SQL, JavaScript, HTML/CSS

Frameworks and Tools: Bootstrap, ReactJS, Tailwind CSS

Version Control: Git, GitHub

Databases: MySQL

Libraries: Pandas, Numpy, PyTorch, OpenCV

Tools: MS Office, MS Excel, LaTeX

Internship

Summer Research Intern - Certificate

June 2023

Virtual Mouse using Hand Gestures

- Developed a real-time virtual mouse interface using Python, OpenCV, and Mediapipe for gesture-based cursor control.
- Enhanced hand-tracking accuracy, reducing latency for a smooth user experience.

Projects

HyperOptiDetect-X

Jan 2025

Python, YOLOv10, COCO Dataset, Flask, OpenCV

- Developed a web-based object detection system using YOLOv10 and the COCO dataset for detecting 80 classes.
- Designed a Flask backend to serve the models and handle requests from the frontend.

ChronoSphere

Dec 2024

Flask, HTML, CSS, JavaScript

- Developed a dynamic news aggregator using Flask for real-time headline scraping.
- Created a responsive design with theme toggles for cross-device compatibility.

Resume Builder

Mar 2025

React, Tailwind CSS, JavaScript

- Developed a web application that allows users to create, customize, and download professional resumes.
- Implemented a variety of resume templates with customizable sections for personal information, education, experience, skills, and projects.

Coding Profiles

LeetCode: 1723 rating, 225+ problems solved.

CodeChef: 3-star coder, 1706 rating.

CodingNinjas: 160+ problems solved.

HackerRank: 5-star rating in Python, Java, SQL.

Certifications

FreeCodeCamp: Responsive Web Design.

HackerRank: Problem Solving, Java, Python, SQL, JavaScript, React.

Infosys Springboard: HTML, CSS, JavaScript.

NSIC: Data Science with Python.

Awards & Achievements

Won first prize at the Mete Project Expo (First Year) for showcasing a Voice Assistant project.

Ranked top student in B.Tech (IT) program for second year.

Active Member of Microsoft Learn Student Ambassador (MLSA) Program.

Achieved ranks of 483 and 431 in CodeChef Starters 110 and 111 (Division 3).

Intern Completion Certificate for Virtual Mouse project.

Participant in 12-hour Hackathon at IARE College.