

SAI DEEPAK VARANASI

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[Deepu1004](https://github.com/Deepu1004)

[Portfolio](#)

Education

Institute of Aeronautical Engineering

B.Tech in Information Technology (CGPA: 8.75/10)

Expected June 2026

Hyderabad, Telangana, India

Narayana Junior College

Intermediate (Percentage: 95.2%)

2020 – 2022

Hyderabad, Telangana, India

Narayana E-Techno School

Secondary Education (Cumulative GPA: 10.0/10.0)

2019 – 2020

Hyderabad, Telangana, India

Internship

Summer Research Intern - IARE

May 2024 – June 2024

Certificate

Hyderabad, India

- 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

Virtual Mouse Using Hand Gestures

June 2024

Python, OpenCV, Mediapipe, PyAutoGUI

Hyderabad, India

- Designed a virtual mouse interface enabling gesture-based control for mouse movement and clicks.
- Implemented fingertip detection and distance calculations for seamless control.

The News Mania

Dec 2024

Flask, HTML, CSS, JavaScript

Hyderabad, India

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

HeroesDek - Marvel Finder

Nov 2024

HTML, CSS, JavaScript, Bootstrap

Hyderabad, India

- Built a superhero search app using the Marvel API with autocomplete and profile displays.
- Secured API integration and implemented an interactive UI with animations.

Weather Forecast Application

Sept 2024

HTML, CSS, JavaScript, OpenWeather API

Hyderabad, India

- Developed a weather forecast web application displaying current weather conditions and a 5-day forecast.
- Integrated the OpenWeather API to fetch real-time weather data and displayed it using an interactive UI.

Technical Skills

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

Frameworks and Tools: ReactJS, Tailwind CSS

Version Control: Git, GitHub

Databases: MySQL

Libraries: Pandas, Numpy, PyTorch, OpenCV

Tools: MS Office, MS Excel, Latex

Coding Profiles

LeetCode: Achieved 1723 rating, completed 225+ problems

CodeChef: Spearheaded as a 3-star coder, achieved a 1706 rating

CodingNinjas: Solved 160+ problems

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

Certifications

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

FreeCodeCamp: Responsive Web Design.

Infosys Springboard: HTML, CSS, JavaScript.

NSIC: Data Science with Python.

Awards & Achievements

First prize at Mete Project Expo for a Voice Assistant.

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

Intern Completion Certificate for Virtual Mouse project.

Participant in 12-hour Hackathon conducted by IARE College.