SAI DEEPAK VARANASI

Crafting solutions, shaping the future.

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Education

Institute of Aeronautical Engineering	**Expected June 2026**
B.Tech in Information Technology (CGPA: 8.75/10)	*Hyderabad, Telangana, India*
Narayana Junior College	**2020 − 2022**
Intermediate (Percentage: 95.2%)	*Hyderabad, Telangana, India*
Narayana E-Techno School	**2019 − 2020**
Secondary Education (Cumulative GPA: 10.0/10.0)	*Hyderabad, Telangana, India*

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

Internship

Summer Research Intern - Certificate	**May 2024 − June 2024**
Virtual Mouse Using Hand Gestures	*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

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.

J.A.R.V.I.S	**Sept 2024**

Python, PyQt5, SpeechRecognition, Pyttsx3
- Developed a voice and chat assistant with weather updates, YouTube playback, and file search.
- Designed an intuitive interface for a smooth user experience.

SketchEase	**Oct 2024**

React, Tailwind CSS, TLDraw
- Developed an online drawing tool with features like auto-save, dark mode, and grid display.
- Integrated TLDraw for core drawing functionalities and built an intuitive UI for creating, saving, and managing drawings.
- Implemented real-time notifications for user actions, such as saving or creating new drawings.

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.