

# SURYA JK

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## ABOUT ME

Undergraduate student pursuing B.Tech in Artificial Intelligence and Data Science at Saveetha School of Engineering, passionate about using AI and data-driven technologies to solve real-world challenges. With a strong foundation in machine learning, data analysis, and tools like SQL on Oracle Cloud, I strive to grow continuously and contribute meaningfully to the field of AI.

## TECHNICAL SKILLS

**Programming Languages:** Python, C, C++, R, HTML, Javascript.

**Tools & Frameworks:** NumPy, Pandas, Scikit-learn, Matplotlib, CSS, Bootstrap

**Database Technologies:** SQL, Oracle

**Deployment:** ZOHO Cloud Deployment

**Others:** Web Application Development, Computer Vision (OpenCV)

## PROJECTS

### Virtual Assistant using Python

- Tools: Python, APIs, Speech Recognition, Text-to-Speech
- Developed an intelligent virtual assistant capable of understanding voice commands, fetching real-time data using API integration, and responding with synthesized speech.

### Weather Monitoring System using Python

- Tools: Python, OpenWeatherMap API, JSON, Tkinter
- Built a real-time weather monitoring desktop application using Python that dynamically displays temperature, humidity, and atmospheric pressure by integrating OpenWeatherMap API.

### Portfolio Website

- Tools: HTML5, CSS3 (with Tailwind CSS for styling), JavaScript (ES6+), three.js (for the 3D model)
- A dynamic, multi-page personal portfolio built from the ground up, featuring a 3D interactive model on the homepage and an animated particle network background to create a visually engaging user experience.

## EDUCATION

### B- Tech Artificial Intelligence and Data Science      2023 - 2027 (3<sup>rd</sup> Year)

Saveetha Institute of Medical and Technical Sciences  
(SIMATS Engineering)  
CGPA: 9.06 (Current)

## PROFESSIONAL CERTIFICATION

Oracle Database SQL Specialist - Oracle

## ADDITIONAL INFORMATION

- **Languages:** Tamil, English
- **Achievements & Awards:** > NSO (National Science Olympiad) Gold Medal,  
> Hackathon Event Top 10 (Hackforge 25),  
> Best Student Award - Tamil Thai Foundations 2025