

# Sameer Shaik

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<https://github.com/Smr2005>

AI & DATA SCIENCE ENTHUSIAST

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## OBJECTIVE

A highly motivated and creatively driven Computer Science graduate with proven expertise in AI-powered web applications, machine learning, and facial recognition systems. Known for blending cutting-edge design with robust backend logic, seeking a dynamic role to contribute to impactful software development and innovation.

## SKILLS & ABILITIES

- **Programming Languages:** Python, R, GO
- **Web Technologies:** HTML, CSS, JavaScript, Flask, Streamlit
- **Machine Learning Models:** Random Forest, CNN
- **Tools & Frameworks:** OpenCV, Tailwind CSS, AOS Animations, scikit-learn, pickle, NumPy, Pandas
- **Database Management:** MySQL, Mango DB
- **Other Tools:** Git, GitHub, VS Code, Jupyter Notebook, Power BI, Tableau

## EXPERIENCE

### **AI Intern – TechSaksham Program**

Edunet Foundation | Joint CSR Initiative by Microsoft & SAP

Project: Disease Prediction System using Machine Learning

**Duration:** Nov 2024 - Apr 2025

- Built a multi-disease prediction system using Random Forest classifiers
- Implemented Streamlit for a responsive UI and integrated five different health datasets
- Gained transformative learning in AI under the mentorship of industry experts
- Part of a national-level skilling initiative to empower students in AI for social good

### **Data Science Intern – SkillDzire Technologies Pvt. Ltd.**

**Duration:** On Going

- Working on real-world datasets to implement supervised and unsupervised machine learning models
- Enhancing proficiency in data preprocessing, model training, and visualization
- Leveraging tools like Pandas, NumPy, Matplotlib, and Scikit-learn
- Collaborative project work focused on insights generation and decision-making

#### **Data Analytics Intern – APSICHE x SmartBridge Virtual Internship**

**Track:** Data Analytics with Tableau

**Duration:** On Going

**Project:** *Electric Vehicle (EV) Data Analysis*

- Currently working on analyzing electric vehicle trends and usage patterns
- Building interactive dashboards using **Tableau** to visualize EV sales, adoption rates, charging station distribution, and growth over time
- Gained a strong understanding of **data storytelling**, KPI monitoring, and business insights through visual analytics
- Learned industry-relevant practices in **real-time analytics**, **data cleaning**, and **presentation**
- Part of APSICHE's collaborative skilling initiative to promote hands-on learning in data-driven technologies

## PROJECTS

### **Multiple Disease Prediction System (*Streamlit App*)**

- Predicts 5+ diseases using ML (Diabetes, Heart, Parkinson's, Lung Cancer, Hypothyroidism)
- Used pickle files to load trained models and Streamlit for frontend
- Integrated with modern UI and animations
- <https://sameermedico.streamlit.app/>

### **Facial Recognition System**

- Built a real-time **facial recognition application** using **OpenCV** and Python
- Captured webcam images and recognized faces by matching them with a trained dataset
- Utilized Haar Cascade and LBPH algorithms for accurate face detection and recognition
- Designed a user-friendly interface for live face capture and recognition feedback
- Optimized for performance with efficient frame processing and minimal latency
- Demonstrated practical applications of computer vision and AI in security and identity verification
- <https://github.com/Smr2005/AI-Powered-Face-Recognitionapp>

### **AI-Powered Portfolio Website**

- Designed and developed a **dynamic, scroll-based portfolio website** with a **dark-themed UI**, smooth animations, and responsive layout using **Flask/Streamlit**.

- Integrated a **custom AI chatbot**, powered by static Q&A and ChatGPT API, to answer common **HR and technical interview questions**.
- Added **text-to-speech functionality**, enabling the AI chatbot to deliver **spoken responses**, enhancing accessibility and engagement.
- Implemented a **floating AI agent logo** that animates contextually as the user scrolls through different sections (About, Projects, Certifications, Contact, etc.).
- Features custom animations via AOS.js, Tailwind CSS styling, and visual assets for a modern, interactive user experience.
- <https://sameer-porfolio.onrender.com/>

## RESPONSIBILITIES

### **R&D Cell Coordinator – Aditya College of Engineering**

- Suggested innovative final-year projects in IoT and AI
- Guided juniors on practical implementations

### **Conference Organizer – ICCISET**

- Hosted international conference at Aditya College
- Handled research presentations by students and delegates

### **Department President – Artificial Intelligence & Data Science**

- Serving as the elected **President of the AI & Data Science department**
- Coordinating between faculty, students, and administration to organize academic and extracurricular events
- Led workshops, tech fests, project expos, and peer mentorship initiatives
- Represented the department at institutional meetings and external events
- Encouraged project-based learning, hackathon participation, and interdepartmental collaboration

## EDUCATION

### **B.Tech in Artificial Intelligence & Data Science (Ongoing)**

**Aditya College of Engineering, Madanapalle**

**Duration: 2022 – Present**

- Specialization in Artificial Intelligence & Data Science
- Department President
- Participated in research and real-time AI/ML projects, workshops, and conferences
- Active in R&D Cell and event coordination

### **Intermediate – MPC (Maths, Physics, Chemistry)**

**Vidyanikethan Junior College, Madanapalle**

**Duration: 2020 – 2022**

- Strong foundation in core STEM subjects
- Participated in state-level academic and science competitions

**🏠 Secondary School (SSC)**

**Kothaindlu MPL High School**

**Year of Completion: 2019-2020**

- Completed SSC with distinction
- Actively participated in school-level science exhibitions and cultural events

**ACHIEVEMENTS**

- Successfully balanced academics and event responsibilities, consistently delivering top performance in real-time AI/ML projects
- Hosted and organized technical and cultural events
- Co-hosted the 2nd International Conference on Contemporary Issues in Science, Engineering & Technology (ICCISSET 2025)
- Coordinated student involvement in AI, IoT, and Data Science workshops and hackathons as Department President and R&D Cell Coordinator

**CERTIFICATIONS**

- Machine Learning with Python
- OpenCV & Computer Vision Applications
- Campus Ambassador
- Web Development Bootcamps