

SHAIK SIRAJ

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Linkedin | GitHub

EDUCATION

Vignan's Foundation for Science, Technology & Research

Artificial Intelligence & Machine Learning Bachelors

CGPA: 8.5

Vadlamudi,Tenali ,Ap

July 2021 - July 2025

EXPERIENCE

Vignan University | Coding Instructor

Present

Guntur, Andhra Pradesh, India

- **Led** the CodingGeeks Club, **mentoring** 192 students in advanced coding techniques, resulting in a 25% improvement in their coding skills and fast problem approaching techniques .
- **Serving** as a Teaching Assistant for the Data Structures course, **instructing** 40+ students and **enhancing** their understanding of fundamental and advanced data structures, leading to a 30% increase in course completion rates.
- **Mentoring** students in competitive programming, **preparing** them for national and international coding challenges, Made them get 5* badge at hackerrank in a month .

PROJECTS / OPEN-SOURCE

Secure Attendance App | Android Developer

2023-2024

- **Developed** an Android app utilizing 10-meter geolocation and deep learning for face recognition, boosting security and attendance accuracy.
- **Optimized** attendance tracking by automating processes, saving over 10 minutes per person daily and reducing manual effort.
- **Achieved** 95% accuracy in face recognition through advanced deep learning algorithms, ensuring reliable and consistent user identification.

Autonomous Lunar Lander Agent | Project Lead

2023 (Mar-Jun)

- **Engineered** an autonomous lunar lander using reinforcement learning in OpenAI Gym, demonstrating proficiency in Python and complex algorithm design. working environment with (0-20)% uncertainty.
- **Optimized** algorithm efficiency by 20%, enhancing the precision and performance of the autonomous landing system.
- **Reduced** execution time by 15% through extensive time comparisons and fine-tuning of the algorithms.

Amazon Product Price Tracking and Alert System | Developer

2022-2023

- **Created** an app with AWS services (EC2, Rekognition, S3, Lambda, Cognito) for real-time price tracking and data integration.
- **Enhanced** notification speed by 90% using Twilio for real-time alerts, improving user responsiveness to price changes.
- **Reduced** response time by 70% through features like automated alerts and real-time price tracking, streamlining user experience.

SKILLS

Programming Languages: Python, Java, C, SQL, Firebase, HTML5, CSS, JavaScript

Libraries/Frameworks: NumPy, Pandas, Matplotlib, PyTorch, TensorFlow, Keras, scikit-learn, OpenAI Gym

Tools / Platforms: PyCharm, Visual Studio, Jupyter Notebook, Android Studio

ACHIEVEMENTS

- Secured (GATE) Data Science and Artificial Intelligence (DA) AIR 724 - **IISC 2024**
- Participated in over 25+ international level coding contests on LeetCode - **2100+**, **Knight**
- Competed in over 75+ national level coding competitions on CodeChef -**1700+**, **3* Coder**

CERTIFICATIONS

- AWS Certified Cloud Practitioner - (**Authorized till July 19, 2027**)
- Oracle's Professional Generative AI Certification - (**Verified by Oracle, EXP: June 26, 2026**)