Moram Pranav Satya Venkat Sai

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LinkedIn Profile

Profile Summary

An innovative AI & ML enthusiast and a dedicated Computer Science student at GRIET, passionate about solving real-world problems through technology, IoT, and software development. Strong background in programming, research, and project development, with experience in mentoring and event management. Currently exploring AI-driven automation and blockchain solutions.

Projects

- **AI-Powered Traffic Management System**: Designed a machine-learning model to optimize traffic flow using real-time data analysis.

- **Hand Sign Recognition Glove**: Developed a smart glove that translates hand gestures into text/audio for accessibility.

- **Mouse-Controlled Servo Mechanism**: Built an IoT-based system where motors dynamically follow cursor movement.

- **Smart Agriculture System**: Created an IoT-based farming solution integrating sensors for automated irrigation and crop health monitoring.

- **Blockchain Demonstration Website**: Developed an educational website that visually explains blockchain concepts such as hashing, blocks, and mining.
  Link: `https://block-chain-demonstration.netlify.app/`

Skills

- **Programming**: Python, C, Java, SQL, JavaScript, HTML, CSS, Bootstrap

- **Technologies**: IoT, Blockchain, AI & ML, Cloud Computing

- **Development**: Web Development, Embedded Systems, Robotics

- **Other Skills**: Research, Technical Documentation, Event Management, Leadership

Certifications

- Smart Interviews – Smart Coder Certificate

- Python Basic Certificate – HackerRank

- The Complete SQL Bootcamp – Udemy

- 100 Days of Code – Udemy

- Robotics (Beginner & Advanced Gold) – SP Robotics

- Smart India Hackathon – Participation Certificate

- IdeaQuest (CSI GRIET) – Participation Certificate

- Python Certification – SSSIT Institute

- VFX Participation – MAAC Institute (Pragnya, GRIET)

Volunteering Work

- **Technical Team Member**, Computer Society of India (CSI), GRIET: Assisted in conducting coding contests, workshops, and hackathons, providing technical expertise and mentoring.

- **Mentor**, Advanced Academic Center (AAC), GRIET: Guided junior students in the IoT domain, teaching fundamental concepts, and leading their project development for a full academic year.

Languages

- English, Telugu, Hindi

Education

- **Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad**
  B.Tech in Computer Science and Engineering (AI & ML) – CGPA: **8.2** Presently in 2nd Year, 2nd Semester

- **Sri Chaitanya College, Hyderabad** – CGPA: **9.42**   March 2023

- **Sri Chaitanya School, Hyderabad** – CGPA: **8.0**   March 2021

Declaration

I hereby declare that the information provided is true to the best of my knowledge.
Place: Hyderabad   **Name:** Moram Pranav Satya Venkat Sai