Moram Pranav Satya Venkat Sai

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LinkedIn Profile

Profile Summary

Results-driven Computer Science and Engineering undergraduate specializing in Artificial Intelligence and Machine Learning. Proficient in full-stack development, cloud platforms, and AI-powered applications. Experienced in leading cross-functional teams and delivering impactful solutions—ranging from assistive technologies to scalable SaaS platforms. Passionate about applying modern technologies to solve real-world problems with a focus on innovation, usability, and performance in dynamic environments.

Projects

- **AI-Powered Traffic Management System**: Developed a machine learning model to dynamically optimize traffic flow based on real-time data feeds and congestion metrics.

- **Hand Sign Recognition Glove**: Built a wearable glove that translates hand gestures into audio/text using sensor data—targeted at aiding speech-impaired individuals.

- **Mouse-Controlled Servo Mechanism**: Designed an IoT system where servo motors respond to cursor movement, enabling real-time physical interface mirroring.

- **Smart Agriculture System**: Engineered a sensor-integrated IoT platform for automated irrigation, soil health monitoring, and yield tracking.

- **Blockchain Demonstration Website**: Created an interactive educational website explaining blockchain fundamentals like hashing, mining, and blocks.
  https://block-chain-demonstration.netlify.app/

- **PDF Question Answering Chatbot**: Built a full-stack NLP-powered web app that answers user queries from uploaded PDFs using LangChain, OpenAI, and semantic embeddings.

Ongoing Projects

- **WorkTrackWeb (Company Project – Quadgen)**: Developing a full-stack dashboard for employee attendance, service request handling, and maintenance logs using Firebase and role-based UI modules.

- **Bolt Abacus Enhancements (https://www.boltabacus.com)**: Enhancing the Bolt Abacus platform with a Virtual Abacus module, global leaderboard, AI-driven audio practice, and multiplayer gameplay—blending gamification and traditional abacus training.

- **Zenny AI – Intelligent Business Assistant (Startup: zenny.ai)**: Leading a SaaS startup platform that automates business workflows—client onboarding, CRM integration, order tracking, and dashboard generation. Integrates APIs like Zoho Books, Shiprocket, Meta, and Google Analytics with natural voice/text interfaces for streamlined business automation.

Upcoming Projects

- **Blind Assistive Glasses**

- **Integrated Smart Farming Robot**

- **Adaptive Learning Impact Study**

Skills

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

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

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

- **Tools & Platforms**: Firebase, LangChain, OpenAI APIs, Figma

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

Certifications

- Certified Hyperledger Developer Training Program – IDS Inc. (April 2025)

- Smart Interviews – Smart Coder Certificate

- Robotics (Beginner & Advanced Gold) – SP Robotics

- Smart India Hackathon – Participation Certificate

- IdeaQuest (CSI GRIET) – Participation Certificate

- Python Certification – SSSIT Institute

- World Youth Skills Day – Certificate of Participation from Rashtrapati Nilayam, Hyderabad

Volunteering Work

- **Technical Team Member**, Computer Society of India (CSI), GRIET: Supported coding contests, workshops, and hackathons by offering technical assistance and mentorship.

- **Mentor**, Advanced Academic Center (AAC), GRIET: Led and guided junior students in IoT projects, providing foundational training and year-long project support.

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**   Present: 3rd Year, 1st Semester

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

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

Declaration

I hereby declare that the above information is true and accurate to the best of my knowledge.

Place: Hyderabad   **Name:** Moram Pranav Satya Venkat Sai