Siddhant Shitole

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Professional Summary

Aspiring AI & Electronics Engineer with a strong foundation in multi-agent systems and embedded hardware. Proven ability to develop intelligent solutions like autonomous vehicles and AI-driven tracking systems. Proficient in Python, JavaScript, and Arduino, with a focus on integrating AI agents into real-world applications.

Education

Sinhgad College of Engineering (SCOE) – Pune *2023 – Present*

Bachelor of Engineering (Electronics and Telecommunication Engineering)

Leadership & Activities

Member – Student Development Council (SDC), Sinhgad College of Engineering *Jan 2023 – Present*

Volunteer, Event Coordination & Support – School-Level Academic & Cultural Events

Certifications

Oracle Cloud Infrastructure (OCI) AI Foundations Associate – Oracle

Google 5-Day AI Agents Intensive – Google

Murf AI 10-Day Voice AI Agents Challenge – Murf AI

30-Day Training on Autonomous & Electric Vehicles – ExcelR

Coding Saksham Program – Capabl

Skills & Interests

Python (Intermediate), JavaScript (Intermediate), Java (Basic), C (Basic), SQL (Basic), Pandas, Matplotlib, Arduino, Embedded C, Git, VS Code, Multi-Agent Systems, AI Agents, Speech-to-Text (STT), Text-to-Speech (TTS), Autonomous Vehicles, Bluetooth/RF Communication

Projects

EduTrack AI – Multi-Agent Attendance Intelligence System

- Built a multi-agent AI system to analyze attendance data, identify high-risk subjects, and predict short-term trends
- Implemented agent messaging, session memory, and custom tools with dashboards for 30-day attendance insights

Voice-Enabled AI Assistant

- Designed and deployed multiple voice-enabled AI agents for speech-based interaction and task execution
- Integrated speech-to-text, intent handling, and text-to-speech using Python-based workflows

IntelliDetect RC – Smart Metal Detection Vehicle

- Designed and developed an Arduino-based RC vehicle integrated with a metal detection sensor for real-time identification of metallic objects
- Implemented wireless control using Bluetooth and RF modules to enable short- and long-range navigation

Krishi Sahayak

- Developed an AI-driven platform to streamline the discovery and accessibility of government agricultural schemes for farmers.
- Simplified complex eligibility criteria using Natural Language Processing (NLP) to improve user understanding and application success rates.

Languages

English (Professional), Hindi (Fluent), Marathi (Fluent)