

SIDDHANT SWAN

AI/ML Engineer • Full-Stack Developer (Python & React)

+91 93226-92301 | swansiddhant9@gmail.com | github.com/SiddhantSwan12 | linkedin.com/in/siddhant-swan-41a024217

SUMMARY

AI/ML-focused engineer and full-stack developer specializing in building production-grade GenAI systems, LLM-powered applications, and scalable backend architectures. Proven track record shipping deployed, end-to-end AI products (RAG pipelines, LangChain agents, multi-domain assistants) using Python, FastAPI, and React/Next.js. Strong foundation in machine learning, NLP, and computer vision, combined with clean object-oriented engineering practices, REST API design, and agile delivery in production codebases.

EDUCATION

Vishwakarma Institute of Technology (VIT Pune)

B.Tech. in Electronics & Telecommunication Engineering — GPA: 8.31/10 | Pune, Maharashtra

Nov 2022 – 2026

AI/ML & FULL-STACK PROJECTS

Athena.ai [\(Live Demo\)](#)

React, Next.js, Python, LangChain, FastAPI, Supabase (pgvector), Gemini, Tavily

- Built a full-stack, multi-domain RAG AI assistant spanning finance, health, and education, with a React/Next.js frontend and a LangChain + FastAPI backend; achieved 90% classification accuracy with sub-300ms API response latency.
- Designed reusable React components for voice-to-text routing and domain-switching UI; authored structured test cases to validate classification edge cases across scenarios.

FairWork [\(Live Demo\)](#)

Next.js 14, React 18, Tailwind CSS, wagmi + RainbowKit, Solidity (Foundry), Polygon, XMTP, Supabase, IPFS (Pinata), Jitsi/JaaS

- Built a decentralized freelance escrow marketplace on Polygon Amoy testnet with Foundry-based Solidity smart-contract escrow and wagmi/RainbowKit wallet integration, eliminating platform trust dependency.
- Implemented an AI-assisted dispute-analysis pipeline that generates structured legal reports for contested job outcomes, alongside in-app XMTP messaging and Jitsi/JaaS video meetings for client-freelancer coordination.
- Validated end-to-end REST API and smart-contract flows with Postman across edge cases (concurrent releases, upload failures, timeouts).

CommunityAI

React, Python, FastAPI, OpenAI Whisper, Streamlit, Discord API

- Built an AI platform for meeting transcription and content moderation using OpenAI Whisper and clean OOP architecture, automating minutes and action-item extraction at 90% accuracy.
- Developed the React dashboard and Discord bot UI; tuned moderation thresholds through functional testing, cutting manual moderation workload by 70%.

WORK EXPERIENCE

Python Developer Intern | Enovate IT

Pune, Maharashtra

Jan 2026 – Mar 2026

- Contributed to backend API development using Python, Django REST Framework (DRF), and FastAPI, building and extending 5+ features across an existing production codebase under senior engineer guidance.
- Debugged and refactored 3 API endpoints built with DRF, reducing average response time by ~20% and improving code readability for long-term maintenance.
- Participated in agile sprint cycles across 2 sprints, attending daily standups and consistently delivering assigned tasks on schedule.

SOC Analyst Intern | Geek Solutions

Nashik, Maharashtra

Jul 2025 – Dec 2025

- Assisted the SOC team in monitoring and reviewing security alerts flagged by SIEM tooling daily, triaging an average of 80+ alerts per week across multiple threat categories.
- Wrote Python scripts to automate parts of the log review process, reducing time spent on manual checks by ~35% and improving team throughput.
- Applied Cyber Threat Intelligence concepts in daily analyst work, contributing to the review of 500+ log entries over the internship.

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), TypeScript, SQL, C++, Bash/Shell Scripting, Solidity

AI/ML & GenAI: LangChain, RAG pipelines, TensorFlow, PyTorch, OpenCV, NLP

Backend (Python): FastAPI, Django, Django REST Framework (DRF), Node.js, REST API Design, WebSockets, PostgreSQL, MongoDB, Redis

Frontend (React): React.js, Next.js

Cloud & DevOps: Docker, AWS, Supabase, IPFS, Git, GitHub, Linux, Vercel, Render

Testing & Debugging: Pytest, API Testing (Postman), Edge Case Handling, Functional Testing

AWARDS & CERTIFICATIONS

- McKinsey Forward Program** — Problem-solving, communication & resilience skills for the future of work [\(Verify Credential\)](#) 2026
- Data Visualization** — LinkedIn Learning Certification [\(View Certificate\)](#) 2026
- Python for Data Professionals in Finance** — LinkedIn Learning Certification [\(View Certificate\)](#) 2026
- IBM DevOps and Software Engineering** — Coursera Certification [\(View Certificate\)](#) 2025
- NVIDIA Deep Learning Certification** — Verified proficiency in deep learning and accelerated computing [\(View Certificate\)](#) 2024
- Advanced Quantum Computing** — Qubit by Qubit, Google-sponsored 2024