

MEHETAB MOJAFFAR ALI

Python Developer | Full-Stack Developer | AI/ML Builder | Electronics Hobbyist

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Summary

Proactive student developer with a track record of shipping production-grade AI systems, SaaS products, and hackathon builds. Proficient in Python and FastAPI for backend and automation, with deep hands-on experience integrating AI APIs — Gemini, Groq, Claude, and Whisper — into real products. Uses Claude Code and Cursor daily for agentic development; strong at prompt engineering to extract precise, workflow-ready outputs from LLMs. Comfortable across the full stack — from Python scripts and REST APIs to React frontends and self-hosted Docker deployments on homelab infrastructure.

Skills

Languages & Frameworks: Python (FastAPI, Streamlit, pandas, numpy, matplotlib), JavaScript, React.js, Node.js, Express.js, Tailwind CSS, HTML5, CSS3, C Programming

AI & ML: Gemini API (contextual chat, multi-turn memory), Groq — LLaMA 3 (fast inference), Claude API (content generation & automation), Whisper (multilingual speech-to-text), Twilio AI (programmable voice & WhatsApp escalation), Web Speech API — Daily use: Claude Code for agentic development, Cursor for in-editor AI, prompt engineering for precise output control and workflow automation

Developer Tools: Docker, Git & GitHub, Firebase/Firestore, Vercel, Cloudflare Tunnels, Caddy, Render/Railway, EAS (Expo Build), Razorpay, OAuth 2.0, JWT, SQLite, Linux (headless server admin)

Web3 & Blockchain: Solidity, NFTs, DApps, Smart Contracts, Move (Sui), Monad

Hardware & Design: Arduino UNO, ESP32, Electronics Prototyping, Fusion 360, 3D Printer (Klipper/Ender 3 S1), AutoCAD, TinkerCAD

Soft Skills: Problem-Solving, Team Collaboration, Communication, Fast Learner

Databases: Firebase Realtime DB, Firestore, SQLite

Education

Shah & Anchor Kutchhi Engineering College (SAKEC)

07/2024 – Present

Bachelor of Technology in Electronics & Computer Science | CGPA: 8.18 (till Sem 3)

Eden High School & Junior College

06/2022 – 06/2023

HSC (12th Grade) | 72.17%

RN Gandhi High School

06/2020 – 06/2021

SSC (10th Grade) | 95.80%

Experience

E-Cell SAKEC

SAKEC, Mumbai

Website Developer

04/2025 – 04/2025

- Designed and deployed the official E-Cell SAKEC website for Food Fiesta, the annual college fest — handled UI, real-time transaction flows, and load for 2000+ concurrent users.

VoxelVibe

Remote

Founder

04/2025 – Present

- Founded a creative tech brand merging hardware and design — 3D-printed collectibles and tech merch. Taught product ideation, physical prototyping with Fusion 360, e-commerce setup, and brand building from scratch.

Stellar Network (XLM)

Remote

Ambassador

01/2025 – 03/2025

- Grew community engagement via educational threads on X about the Stellar ecosystem.
- Participated in community calls and events, disseminating key information about the network.

Spheron Network (SPON)

Remote

Ambassador

12/2024 – 02/2025

- Strengthened developer community support by resolving technical queries, enhancing user engagement.
- Delivered presentations as an AMA speaker and town hall contributor on Web3 deployment solutions.

Projects

- AI-Powered Travel Chatbot** | *Python, FastAPI, Groq (LLaMA 3), Gemini API, React, Docker, Caddy* 04/2026
- Built an end-to-end conversational AI chatbot for a travel company, replacing their legacy rule-based bot with a production LLM system.
 - Used Groq (LLaMA 3) for low-latency inference and Gemini API for contextual, multi-turn conversation handling.
 - Deployed via Docker Compose, Caddy reverse proxy, and Cloudflare Tunnels on a self-hosted homelab — live in homelab server.
- GitHub: [Private Repository](#) Live: [Chatbot](#) [Agent Panel](#) [Dashboard](#)
- PostPilot** | *Python, FastAPI, Claude API, SQLite, OAuth 2.0, Razorpay* 02/2026 – Present
- AI-powered cross-platform social media SaaS — generates, schedules, and auto-publishes content across platforms.
 - OAuth 2.0 integrations for LinkedIn, X (Twitter), Reddit, Bluesky, and Mastodon; Razorpay for subscription payments.
 - Uses Claude API for platform-aware content generation, adapting tone and format per channel.
- GitHub: [github.com/mehetab-01/post-pilot](#) Live: [postpilot.tabcrypt.in](#)
- OutreachOS** | *Python, FastAPI, React.js, Docker* 01/2026 – 05/2026
- Outreach automation platform for managing and scaling personalized campaigns across multiple channels.
 - Python FastAPI backend, React dashboard, containerized and deployed live on self-hosted infrastructure.
- GitHub: [github.com/mehetab-01/OutReachOS](#) Live: [outreachos.tabcrypt.in](#)
- Perch** | *React.js, FastAPI, Python, Docker* 01/2026 – Present
- Booking marketplace connecting cafes and co-working spaces with remote workers seeking daily workspace.
 - Handles listings, real-time availability, and booking flows — deployed on homelab via Cloudflare Tunnels.
- GitHub: [github.com/mehetab-01/perch](#) Live: [perch.tabcrypt.in](#)
- Orbital** | *React.js, FastAPI, Python, Docker, SSH* Present (In Development)
- Admin panel for remote homelab server management — monitor services, system health, and Docker containers.
 - Securely connects to homelab over Cloudflare Tunnels; active development.
- GitHub: [Private Repository](#)
- Apex AI Learning** | *Python, AI/ML, React.js, Next.js* 01/2026 – 02/2026
- AI-powered educational platform with personalized learning paths that adapt to each student's progress and performance.
 - Leveraged ML models for adaptive content delivery and quiz generation.
- GitHub: [github.com/mehetab-01/apex-ai](#) Live: [apex.tabcrypt.in](#)
- DeFi CoPilot** | *Next.js, Solidity, Monad, AI/ML* 02/2026
- Hackathon project at Monad Blitz Mumbai — AI-powered DeFi assistant to analyze on-chain data and navigate protocols.
 - Integrated on-chain data queries with an LLM layer to guide decentralized finance decisions in real time.
- GitHub: [github.com/mehetab-01/monconnect](#) Live: [monad.tabcrypt.in](#)
- Memorii AI** | *React Native, Expo, Node.js, Socket.IO, Firebase* 11/2025
- AI-powered memory assistant app for Alzheimer's patients — React Native patient app + Next.js caretaker dashboard.
 - Real-time updates via Socket.IO; APK built and deployed via EAS cloud build.
- GitHub: [github.com/mehetab-01/memorii-ai](#)
- VitalFlow AI** | *Python, Streamlit, Pydantic, REST API* 01/2026
- Hackathon project — AI-powered hospital management dashboard built in 24 hours at Techron 2.0, NST ADYPU Pune; won 3rd place.
 - Real-time bed and patient monitoring with visual floor map, multi-hospital network view, and AI decision support for resource allocation.
 - Modular data layer supports mock data, live REST/WebSocket API, and JSON — deployable as a Streamlit command-center dashboard.
- GitHub: [github.com/mehetab-01/neon-cortex](#)
- Aarogya Sanchalak** | *React.js, FastAPI (Python), Firebase, Twilio, Whisper* 03/2026
- Real-time hospital emergency coordination system — 5-role portal (Ambulance Driver, Admin, Doctor, Nurse, Ward Boy) with Firebase Realtime DB sync under 200ms.
 - AI escalation chain: auto-triggers Twilio voice call + WhatsApp alert on incoming patient; auto-escalates to nurse if doctor unresponsive within 60 seconds.
 - Multilingual voice form-fill (Hindi, Marathi, English, Gujarati, Tamil) using Web Speech API + Whisper — driver speaks, form auto-populates.
 - Integrated eRaktKosh (Govt of India blood bank API) for live blood availability queries; live bed tracking across ICU, General, and Emergency wards.
- GitHub: [github.com/mehetab-01/aarogya-sanchalak](#)

MonConnect <i>Next.js, Solidity, Monad Testnet</i> - Decentralized app connecting event organizers with service providers on Monad testnet. - Smart contracts for on-chain escrow payments and NFT-based identity verification. GitHub: github.com/mehetab-01/monconnect Live: mon-connect.vercel.app	10/2025
Green Booth <i>React.js, Firebase (Auth & Storage)</i> - College Green Club web app to identify and track environmental zones via photo capture. - Domain-restricted Firebase Auth for SAKEC students with Cloud Storage for user content. GitHub: github.com/mehetab-01/green-booth Live: green-booth.vercel.app	08/2025
Sui NFT Mint DApp <i>JavaScript, Move, Sui SDK</i> Web3 interface for minting NFTs on the Sui blockchain with wallet connection and gas fee management. GitHub: github.com/mehetab-01/sui-nft-minting-dapp Live: sui-nft-minter.vercel.app	07/2025
Arduino RC Car <i>C++, Arduino UNO, Bluetooth HC-05</i> RC vehicle with L298N motor driver and custom Bluetooth smartphone control interface.	10/2024 – 11/2024

Achievements

- 3rd Place — Techron 2.0 Hackathon — NST ADYPU, Pune (Jan 2026) — Built VitalFlow AI: agentic hospital bed and workload management system.
- 2 projects filed for patent processing — Memorii AI (React Native memory assistant for Alzheimer patients) and Vital Flow / Aarogya Sanchalak (AI-powered hospital management system).
- Qualified and competed in 10+ national-level hackathons.
- Attended 50+ national-level tech events, hackathons, and developer conferences across India.