

AAYUSH SAHU

AI Builder • Backend Engineer • Content Strategist • Founder

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SUMMARY

Computer Science & Engineering student at MIT-ADT University with 1+ year of hands-on AI engineering and backend development experience. Proficient in building generative AI systems, LLM integrations, FastAPI backends, RAG pipelines, and multi-agent orchestration. Shipped live AI products independently; managed 300+ participant events; founded a student brand with 200+ sales. Seeking internship roles in AI engineering, backend development, content strategy, or startup operations.

EXPERIENCE

Applied AI Engineer

SYNK

03/2026 – Present 📍 Remote (USA)

Remote internship as an Applied AI Engineer

- Designed and deployed AI-powered backend systems using Python, FastAPI, and WebSockets, enabling real-time LLM interaction and workflow automation for production environments
- Built retrieval-augmented generation (RAG) pipelines with ChromaDB vector databases; implemented multi-model LLM orchestration across Ollama, local and remote AI frameworks
- Engineered prompt engineering systems and agentic AI workflows; contributed to debugging, testing, and deployment of generative AI features in a live product environment
- Integrated local LLM inference, automation scheduling, and AI-assisted content pipelines into scalable backend infrastructure

AI Web Content Writer & Backend Engineer

UdaanScholars

04/2026 – Present 📍 Remote (Bengaluru)

Remote internship as AI Web Content Writer & Backend Engineer

- Builds and maintains backend features — API integrations, data pipelines, and CMS systems supporting thousands of daily active users on the platform
- Writes structured, SEO-optimised long-form articles on colleges and career pathways; implements keyword targeting, meta structuring, and on-page SEO best practices

Management Team Member & Social Media Coordinator

ACES MITSOE

08/2025 – Present 📍 Pune

Involvement in a student organisation managing events

- Coordinated execution of 5+ technical & cultural events with 100–500 participants each, managing logistics, vendor coordination, and day-of operations
- Managed digital outreach strategy, increasing event engagement by ~40% through short-form content optimisation

Founder

Luné Aesthetics

02/2022 – 12/2024 📍 Delhi / Pune

Founder of a student accessories brand

- Built a school-level premium accessories venture from scratch; sold 500+ units, handled sourcing, pricing, and brand identity end-to-end
- Developed strong negotiation and sales skills through direct market operations and customer relationship management

Independent Author — Psychological Fiction

Self-Employed

05/2026 – Present 📍 Pune

Independent author focusing on psychological fiction

- Developing a full-length novel exploring identity, belief systems, and group psychology; managing narrative architecture and character development independently

CERTIFICATIONS

Foundations in Generative AI

Foundations in Generative AI certification from IBM

Intro to Prompt Engineering

Introductory course on Prompt Engineering from Simplilearn

Linguaskill CEFR B2

English language proficiency test, CEFR level B2, administered by Cambridge

Python & C Programming

Completed coursework in Python & C Programming at IIT Bombay

KEY ACHIEVEMENTS

Shipped 3+ live AI products

Reel Craft AI, E.D.I.T.H. V8, and StartupOS AI — built and deployed independently

1+ Year AI Engineering Experience

Real-world AI backend engineering at SYNK as a first-year student

Launch of AI-driven products and event management

Successfully launched multiple AI-driven products and contributed to high-engagement events while maintaining a strong academic record

SKILLS

AI & GenAI: LLMs, Generative AI, RAG, Prompt Engineering, Ollama, ChromaDB, Claude, ChatGPT, Midjourney, Runway Gen-3, Kling, Google Veo

Backend: Python, FastAPI, WebSocket, REST APIs, SQLite, PostgreSQL, API Integration

Frontend: React, HTML, CSS, JavaScript, Vercel, Git, GitHub

SEO & Content: SEO Writing, Content Strategy, Digital Marketing, Social Media, Instagram Reels

Tools: Microsoft Office, Google Workspace, Canva, Figma, Telegram Bot API

Ops: Event Management, Team Coordination, Sales, Negotiation, Design Thinking

Languages: English (CEFR B2), Hindi (Native)

EDUCATION

B.Tech CSE

MIT-ADT University

08/2025 – 05/2029 🇮🇳 Pune

- Core Committee Member — ACES (Association of Computer Engineering Students)
- Relevant Coursework: Mathematics Foundation for Computer Science, Digital Electronics, Engineering Physics

PROJECTS

E.D.I.T.H. — Personal AI System

01/2026

A personal AI system that functions offline and integrates various advanced technologies

- Engineered a fully offline AI assistant with multi-model LLM routing using Llama 3.2, Qwen 2.5, CodeLlama, and LLaVA
- Built a local Retrieval-Augmented Generation (RAG) pipeline using ChromaDB and nomic-embed-text embeddings for persistent memory
- Integrated Whisper speech-to-text, neural text-to-speech, Telegram remote control, and ADB-based Android automation
- Developed a FastAPI + WebSocket backend enabling real-time system interaction and automation workflows on WSL2
- Git Hub: <https://github.com/Aayushashsahu/EDITH->

Reel Craft AI

01/2026

AI tool for content generation targeted at enhancing social media engagement

- Shipped a live AI tool that generates Instagram Reel captions from idea + tone inputs, drawing on viral content patterns
- Launched independently; achieved 286+ impressions on debut post
- Git Hub: <https://github.com/Aayushashsahu/ai-caption-generator>

StartupOS AI — AI-Powered Founder Operating System

2026 – Present

AI-powered operating system for startup founders integrating productivity and AI workflows

- Designing and building a unified SaaS dashboard integrating AI chat, meeting summarisation, CRM, task planning, content generation, and idea management for startup founders
- Architected scalable backend workflows using FastAPI, modular AI service layers, WebSockets, and SQLite/PostgreSQL-ready infrastructure
- Designed cinematic SaaS-style frontend with React, glass morphism UI, and JARVIS-inspired AI interaction flows
- Planned multi-model AI orchestration, local/remote LLM integration, RAG-based memory, and intelligent productivity automation

GitHub: github.com/Aayushashsahu/StartupOS-AI

AI Cinematic Short Film

01/2026

Created a cinematic short film entirely generated through AI tools

- Produced an end-to-end AI-generated short film — managed storyboarding, prompt engineering, and final edits independently
- Submitted as part of Storyvord Gen-AI Film Tech portfolio

Industry Pulse — Academic-Industry Gap Platform

03/2026

Platform aimed at bridging the academic and industry gap through mentorship

- Led research identifying education-industry skill gaps and designed a mentorship platform connecting students with verified industry professionals
- Features: curriculum-gap mapping, booking system, mentor dashboards, and feedback loops
- Applied HMW and SCAMPER design thinking frameworks throughout ideation and validation

@betheaayush — Instagram Content

01/2026

Personal branding on Instagram focusing on content creation and engagement

- Fashion & lifestyle creator account targeting reach and engagement using structured caption templates, hashtag strategy, and Reels SEO