

Swapnanil Adhikary

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EDUCATION

Institute of Engineering and Management

B.Tech

Salt Lake Sector 5, Kolkata

Expected July 2026

B.Tech SGPA

SGPA (up to 5thth semester)

Institute of Engineering and Management, Kolkata

8.12

EXPERIENCE

Pandle Hopper

Co-Founder & Web Developer

Kolkata

Durga Puja 2023

- Co-founded and spearheaded the development of **Pandle Hopper**, a dynamic website launched during Durga Puja 2023 in collaboration with a partner.
- Drove rapid growth by attracting over **134 users within the first week** through targeted organic marketing and effective word-of-mouth strategies.

RapiPay Agent

Backend Intern

Noida (Remote)

May 2024 – August 2024

- Implemented real-time data communication using **WebSockets** and collaborated on enhancing the overall **UI**.

PROJECTS

AI based frame interpolation, video generation and display system for WMS services

- Developed a system to process satellite imagery from WMS services, applying AI-based frame interpolation (using the FILM model) to generate smooth video animations of weather patterns.
- Optimized data retrieval and storage by incorporating Cloudinary to manage slow retrieval issues from MOSDAC.

Celebrity Look-Alike

- Engineered a sophisticated face recognition system leveraging the VGG face model to accurately match user images with Indian celebrity profiles and sharing there dialogues.
- Optimized a deep learning pipeline to maximize precision in identifying look-alike matches.

All-in-One AI Content Creation Platform

- Developed a platform hosting over 100 AI tools in one place, catering to content creation for social media, blogs, product reviews, and more.
- Built the initial text-based version with a roadmap to evolve into a multi-modal SaaS solution, including support for music, text-to-audio, images, video, and code generation.
- Continuously enhancing and updating the platform to empower content creators with innovative, next-generation AI capabilities.

News Letter Summariser

- Designed and implemented an intelligent application that aggregates news articles and generates concise, digestible summaries to streamline information consumption.
- Leveraged robust web scraping techniques for real-time data extraction and integrated the advanced **Pegasus** model to produce high-quality summaries.

SKILLS SUMMARY

Languages: C++, Python, TypeScript, Rust, Golang

Tech: Next.js, Express, Prisma, PostgreSQL, Firebase, Svelte, Pandas, TensorFlow, LangChain, LangSmith, LLM models

Tools: Docker, Git, AWS, Azure, VS Code, Jupyter

HACKATHONS AND COMPETITIONS (3X HACKATHON WINNER)

Smart India Hackathon 2024 Finalist

Software Team Lead

Gujrat University- Ahmedabad

11-12th December 2024

- Led the software team of IEM to the finals of the prestigious Smart India Hackathon 2024.

HackByte 2.0

Godspeed Track Winner

IIIT Jabalpur

5th April 2024

- Won the Godspeed track at HackByte 2.0 for exceptional performance in a hackathon event.