

Samay Samrat

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[LinkedIn](#) • [Github](#) • [Leetcode](#) • [Personal Portfolio](#)



PROFESSIONAL SUMMARY

Full-Stack Web Developer experienced in building and deploying responsive web apps using python, React, Next.js, Node.js, Express, and MongoDB. Strong in frontend architecture, system design, AWS & Azure deployments and On-chain applications on the Solana blockchain. Skilled in DSA, backend scalability, and experienced in Machine Learning & Deep Learning

EDUCATION

Bachelor of Technology (AI ML)
Newton School Of Technology

2024 - 2028
Grade: 9.5/10.0

INTERNSHIPS

Full Stack Developer & DevOps Engineer, Decouple
Decouple

April 2026 - Present
Remote

- Led end-to-end development using **Next.js, Node.js, and MongoDB, AWS (EC2, S3)** building scalable full-stack applications with system design and cloud deployment while designing modern and responsive UI/UX using Figma
- Integrated **AI/ML-driven features** for automation and content processing, while managing backend services, APIs, and deployments with **AWS, Docker, and Docker Compose** ensuring efficient data processing and scalable system
- Managing **CI/CD pipelines** using GitHub Actions, deployment workflows, and production level infrastructural design

PROJECTS

Netflix Churn Strategist ([Github](#)) ([Demo](#))

April 2026

Netflix Churn Strategist An intelligent agentic platform that bridges the "Decision Gap" by transforming passive predictive data analytics into autonomous, immediate customer retention campaigns.

- **Predictive ML Analytics:** Engineered a path-tracing **Scikit-Learn** pipeline achieving **97.9% accuracy** in mapping the exact mathematical drivers behind customer churn improving model performance and **prediction accuracy** datasets
- **Agentic AI Workflow:** Orchestrated a **LangGraph** multi-agent loop, grounded in **RAG (ChromaDB)** leveraging **LangChain, HuggingFace Transformers**, and embedding-based retrieval pipelines to autonomously generate **hallucination-free**, high-conversion retention campaigns via **LLaMA-3.3** enabling autonomous **decision-making**
- **Full-Stack Orchestration:** Built using **Python, LangChain, HuggingFace, Streamlit, and FastAPI**, integrating scalable **backend services** to deliver a highly reactive dashboard for real-time data auditing and batch operations.

MWareX ([Github](#)) ([Demo](#))

December 2025

Mwarex is **India's first AI-powered platform** that autonomously edits **raw videos** into **publish-ready** content and enables **creators** to directly distribute across platforms like **YouTube, Instagram, and LinkedIn** from a single unified workspace, reducing manual effort and turnaround time while maintaining content **consistency** across all platforms.

- Integrated **FFmpeg** (complex filters, **B-roll** generation), **FFprobe, Groq Whisper API, Gemini 2.0 Flash, Pexels API, YouTube Data API v3, and OAuth 2.0** to enable AI-driven video processing, content automation.
- Efficient data handling: **AWS S3** for scalable **video storage** and **streaming**, with containerized processing using **Docker** and **Docker Compose** deployed on **EC2** and **ECR**, ensuring secure, high-performance, and data management
- Built with **Next.js 14, Node.js + Express, JWT Authentication, Framer Motion, TypeScript MongoDB Atlas, Socket.io** and **YouTube Data API v3**, with integrated **Crypto payments** and **Razorpay** for secure transactions enabling one-click approval and direct background uploads to YouTube without downloading files.

SKILLS

AI / ML: Machine Learning, LangChain, GenAI, LangGraph, TensorFlow, Generative AI

APIs & Testing: OAuth 2.0

Cloud & DevOps: Kubernetes, Git and Github, Docker, Terraform, Nginx, Google Cloud Platform, GitHub Actions, Docker Compose, AWS

Computer Languages: TypeScript, CSS, JavaScript, Python

Courses: Data Structure

Databases & Data Tools: MongoDB

Domain & Business Skills: Figma, UI/UX, Graphic Design

Frameworks & Libraries: Pandas, Next.js, Framer Motion, Three.js, Next JS, Prisma ORM, NumPy, React, Node.js, Express JS

EXTRA-CURRICULAR ACTIVITIES

Co-curricular:

- Content Creator with **450K+** subscribers — handled brand collaborations, **analytics**, and **audience growth**.