

# Soumil Mukhopadhyay

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</> [Codolio](#) | [Google Cloud](#) | [LaTeX Cheat Sheet](#)

## EDUCATION

K.J. Somaiya College of Engineering , Vidyavihar

Expected Graduation: June 2026

Bachelors of Technology in Computer Engineering

**Relevant Coursework** : Web Development, Data Structures, Algorithms, Data Science & Analytics, DBMS, Op. Systems

## EXPERIENCE

Assistant Head Engineer | [Aminuteman Technologies](#), Hybrid

Jan 2026 - Present

- Working on **Valley OS**, **InferArc** and an **AI-powered CRM**, having previously worked on **CA Authority** and multiple AI agents & mini projects, alongside winning at IITD **Moonshot** & **Pitch Tank** MIT Manipal
- Have worked on many automation, scraper and forensic analysis tools using **Docker**, **Kafka**, **Redis**, **Next** & **Python**

SWE Intern | [1 Play Global](#), Remote

Apr 2025 - August 2025

- Developed and hosted the entire website using **Next.js**, **React**, **TailWind**, **ShadCN**, **Chart.js**, **Three.js** and **TypeScript**, ensuring **100% SEO** & **90+** accessibility scores via Lighthouse
- Collaborated with cross-functional teams, building and deploying **4+** sub-sections via **Docker** & **Google Cloud Run**

SWE Intern | [NPCIL](#), Mumbai

May 2024 - July 2024

- Designed a **Python GUI** to monitor **10+** system metrics, reducing diagnostic time by **30%** using **PyQt** and **SQLite**
- Presented real-time resource analysis, boosting system transparency, control, and code efficiency by **25%**

## PROJECTS

Bank Customer Churn Prediction | [Hosted Link](#) | [GitHub Repo](#)

June 2025 - Nov 2025

- Full-stack project with over **345+** unique views, analyzing **4000** customer records using **Python**, **Supabase**, **JSON** & **EmailJS**, with peak model accuracy in **XGBoost (84.25%)**, utilizing **SMOTE** for class balance & performance
- Deployed advanced feature engineering pipeline with domain logic for **Qwen3 32B LLM**, enabling personalized churn insights, visual dashboards & auto-drafted retention emails for banks, hosted on **Streamlit** with **HTML**, **CSS**, **JS**

SimulateRecruitAI - Mock Interview Platform | [Hosted Link](#) | [GitHub Repo](#)

Apr 2025 - Nov 2025

- Built a full-stack **SaaS** platform (**Next.js**, **Radix UI**, **Gemini AI**, **NeonDB**, **Clerk**, **JSON**) supporting **50+** job roles with **JWT** & **Google**, **MetaMask** authentication enabled, real-time mock interviews and question generation
- Engineered and deployed a fully **Dockerized** web app with **Stripe** billing on **Vercel**, optimizing Lighthouse scores to **94+** (**100** in **SEO** & **Best Practices**) through SSR and code-splitting, achieving **75+** sign-ups on the platform

Personal Portfolio | [Hosted Link](#) | [GitHub Repo](#) | **React.js + Three.js + TailWind**

Sep 2024 - Present

- Attracted **1000+** views & **200+** unique visitors from **5+** countries within **10** days across **10+** browsers
- Optimized performance with **90+** scores across **4** Lighthouse parameters, maintaining a **<50%** bounce rate

## SKILLS

- Languages & Frameworks** : Python, C++, TypeScript, JavaScript, Solidity, React, Next.js, MERN Stack, Streamlit
- UI & Visualization** : HTML, CSS, Bootstrap, Tailwind CSS, ShadCN, Radix, Three.js, Chart.js, Plotly, Matplotlib, SciPy
- Tools & Platforms** : Git, GitHub, Postman, Vercel, AWS, GCP, MetaMask, Docker, Kafka, Redis, Pillow, SciKit-Learn
- AI & Databases** : Machine Learning, Artificial Intelligence, NumPy, Pandas, MySQL, PostgreSQL, Supabase, SQLite

## ACHIEVEMENTS

- Earned a **top 3% Finalist** spot at TechGig **Code Gladiators 2024** (DSA solutions in **C++/Python**)
- Achieved the **Standard Milestone** in **Google Cloud Arcade '24** (**25+** badges, **15+** Arcade points)
- Ranked in **top 3.8%** of **26000+** **Codolio** users, with **775+** C-Score, **480+** problems solved & **4500+** **GitHub** contributions
- Got **3rd** place in the **National Mathematics Day Quiz** by **Emfinity KJSCE**, scoring **70%** marks in the **10**-question event

## FELLOWSHIPS

Investment Banking | [Marquee Equity](#), Remote

Mar 2024 - Apr 2025

- Completed **20+** corporate training sessions on **financial modeling** and **deal structuring**
- Wrote **10+** research reports on recently concluded funding transactions in **MLA Format**

## CERTIFICATIONS

- Object-Oriented** Data Structures in **C++** | (~21 hours) | [Certificate Link](#)

July 2024 - Aug 2024
- Crash Course on **Python** | (~20 hours) | [Certificate Link](#)

Mar 2023 - Apr 2023