

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

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 | MeshCraft, Remote

Dec 2024 - Apr 2025

- Revitalized a **five**-page interactive **3D** website using the **MERN Stack** as part of a **12**-member team, contributing to a perfect **100** Lighthouse score in **Best Practices** and **90+** in **SEO**
- Crafted a Marketplace page with **10+** **3D** assets & respective pages, implementing local storage for filters

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 - Sep 2025

- Full-stack project analyzing **4000** customer records using **Python**, **Supabase**, **JSON & EmailJS**, with peak model accuracy in **SVM (84.13%)** and **XGBoost (84.25%)**, integrated with **SMOTE** for class balance & performance tuning
- 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 - Aug 2025

- Built a full-stack **SaaS** platform (**Next.js**, **Radix UI**, **Gemini AI**, **NeonDB**, **Clerk**) supporting **50+** job roles with **JWT & Google**, **MetaMask** auth. enabled, real-time mock interviews, question generation & **80%+ AI** feedback accuracy
- 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 **45+** unique 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, PHP, LaTeX, React, Next.js, MERN Stack
- UI & Visualization** : HTML, CSS, Bootstrap, Tailwind CSS, ShadCN, Radix, Three.js, Chart.js, Plotly, Matplotlib, SciPy
- Tools & Platforms** : Git, GitHub, Postman, Vim, Vercel, AWS, GCP, Babel, 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 3.5%** of **20000+** **Codolio** users, with **775+** C-Score, **475+** problems solved & **4000+** **GitHub** contributions
- Got joint rank **1st** out of **47** participants in **Coffee With CodeCell '25** coding contest, solving all **7** problems using **C++**

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