

# 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, Databases, Op. Systems

## EXPERIENCE

SWE Intern | [1 Play](#), Remote Apr 2025 - Present

- Developed and hosted **7+** frontend pages using **Next.js**, **React**, **TailWind**, **Chart.js** and **TypeScript**, ensuring **100% SEO** and **90+** accessibility scores via Lighthouse
- Collaborated with cross-functional teams to design **4+** responsive sub-sections, building the entire website

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** & **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 - June 2025

- Enhanced an end-to-end application analyzing **4000+** customer records using **Python**, 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 **Mistral Saba 24B LLM**, enabling personalized churn insights, visual dashboards, and auto-drafted retention emails for banks, hosted via **Streamlit** with **HTML & CSS**

SimulateRecruitAI - Mock Interview Platform | [Hosted Link](#) | [GitHub Repo](#) Apr 2025 - May 2025

- Built a full-stack **SaaS** platform (**Next.js**, **Gemini AI**, **NeonDB**, **Clerk**) supporting **50+** job roles with real-time mock interviews, question generation & **80%+ AI** feedback accuracy across **10+** evaluation parameters
- 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

Personal Portfolio | [GitHub Repo](#) | **React.js + Three.js + TailWind** Sep 2024 - Mar 2025

- 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

Python, C, C++, TypeScript, JavaScript, PHP, React, Node.js, Express, Flask, Three.js, Next.js, TailWind, Chart.js, MySQL, Machine Learning, Artificial Intelligence, Postgres, MongoDB, Git, AWS, GCP, Postman, Vim, Vercel, Babel, LaTeX, JSON

## 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 **406/10000+** users(**Top 4%**),**AIR 356** on **Codolio**,with **750+** C-Score, **400+ DSA** solved & **3000+** dev contributions

## CERTIFICATIONS

- The Bits and Bytes of **Computer Networking** | (~**20.5** hours) | [Link](#) Feb 2025 - Mar 2025
- 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

## 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**