

Soumil Mukhopadhyay

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

EDUCATION

K.J. Somaiya College of Engineering , Vidyavihar

Bachelors of Technology in Computer Engineering

Expected Graduation: June 2026

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 - August 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 - May 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 40+ sign-ups on the platform
- 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

- Languages & Frameworks : Python, C++, TypeScript, JavaScript, PHP, SQL, React, Next.js, MERN Stack
- UI & Visualization : HTML, CSS, Bootstrap, Tailwind CSS, ShadCN, Radix, Three.js, Chart.js, Plotly, Matplotlib
- Tools & Platforms : Git, GitHub, Postman, Vim, Vercel, EmailJS, AWS, GCP, LaTeX, Babel, Pillow, SciPy, 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 17800+ Codolio users, with 770+ C-Score, 470+ problems solved & 3900+ 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