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 - Present**
• 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 | 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, 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 **19300+ Codolio** users, with **770+** C-Score, **470+** 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**