Soumil Mukhopadhyay

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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 and Analytics, Databases

EXPERIENCE

SWE Intern | **1 Play,** *Remote*   **Apr 2025 - May 2025**
- Developed and hosted **7+** frontend pages using **Next.js, React, TailWind** and **TypeScript,** ensuring **100% SEO** and **90+** accessibility scores via Lighthouse
- Collaborated with cross-functional teams to design **4+** responsive sub-sections, improving user engagement across **5+** verticals

SWE Intern | **MeshCraft**, *Remote*   **Dec 2024 - Apr 2025**
- Revitalized a **five**-page interactive **3D** website using **Three.js** and **React** 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 to stakeholders, enhancing system transparency and control while increasing code efficiency by **25%**

PROJECTS

InterviewAI - 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

Missing Person Detection | Hosted Link | GitHub Repo   **Apr 2025 - May 2025**
- Deployed a serverless **AWS** stack(**Lambda/S3/CloudFront/Route 53**) using **Python** and **Amazon Rekognition** for live facial matching(**99.9%** confidence) from a **custom** dataset & detail collection form
- Analyzed **8** facial parameters & **50+** objects, achieving **~1s** response time

Personal Portfolio | GitHub Repo   **Sep 2024 - Mar 2025**
- Attracted **1000+** views & **200+** unique visitors from **5+** countries in **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, TailWindCSS, MySQL, PostgreSQL, MongoDB, Git, AWS, GCP, Postman, LaTeX, Vim, Vercel

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)
- Finished in **1st** place in **Tech Hunt** KJSCE 2023 (led team of **4** against **8+** teams)