Soumil Mukhopadhyay

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HackerRank | 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 and Analytics

EXPERIENCE

SWE Intern | 1 Play, *Remote*   **Apr 2025 - May 2025**

- Developed and deployed **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**

- Built a **5+** page 3D website with **Three.js** & **React** in a **12**-member team, ensuring scores of **100 (Best Practices)** & **90+ SEO** via Lighthouse
- Built a Marketplace page with **10+ 3D** assets, implementing local storage for filters

SWE Intern | NPCIL, *Mumbai*   **May 2024 - July 2024**

- Designed a **Python**-based GUI to monitor **10+** system metrics, reducing diagnostic time by **30%** using **PyQt** and **SQLite**
- Presented real-time resource analysis to stakeholders, enhancing system transparency and control while increasing code efficiency by **25%**

PROJECTS

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)
- 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, leveraging **React, Three.js** and **TailWind**
- Optimized performance with **90+** scores across all **4** Lighthouse parameters, maintaining a **<50%** bounce rate across **10+** browsers

Hand Gesture Recognition | [GitHub repo](#)   **Nov 2024 - Dec 2024**
- Achieved **95%** accuracy in real-time detection using **OpenCV** and **MediaPipe,** with **20-30 FPS** rendering

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**

- **JavaScript** Algorithms & Data Structures | (**~300** hours) | [Certificate Link](#)   **Mar 2024 - Apr 2024**

- Crash Course on **Python** | (**~20** hours) | [Certificate Link](#)   **Mar 2023 - Apr 2023**

SKILLS

Languages: Python, C, C++, TypeScript, JavaScript, PHP

Frameworks/Libraries: React, Node.js, Express, Flask, Three.js, Next.js, TailWindCSS

Databases: MySQL, PostgreSQL, MongoDB

Tools/Platforms: Git, AWS, GCP, Postman, LaTeX, Vim, Vercel

ACHIEVEMENTS

- Earned a **top 3% Finalist** spot at TechGig Code Gladiators 2024 (DSA solutions in C++/Python)
- Reached **Diamond** League status 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)

SOCIETIES

KJSCE Emfinity - Tech Team   **Aug 2023 - May 2024**
- Designed **200+** math questions and conducted **5+** activities , engaging **450+** students
- Led PR efforts , boosting social media followers by **20%** through campaigns