

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 - **NPCIL**, Mumbai , Maharashtra

May 2024 - July 2024

- Crafted a **Python**-based Process Monitor **GUI** with **QtCreator**, assessing **10+** system categories for optimal diagnostics and control
- Supervised **10+** processes with real-time resource analysis and management, utilizing **PyQt** and **SQLite** for data persistence
- Applied **Object-Oriented Programming** principles across **2** interactive and scalable modules

SWE Intern - **MeshCraft**, Remote

Dec 2024 - Present

- Working as a **full-stack MERN** developer intern, on the company's portfolio and website, 3D animations, with a team of **12**
- Implemented the Marketplace page with **10+ 3D** assets, textures, and detailed single asset pages, used **local storage** for poly filters and **Three.js** for animations

IB Fellow - **Marquee Equity** Remote

Mar 2024 - Present

- Completed **8+** corporate training sessions on financial modeling and deal structuring
- Wrote **5+** research reports on recently concluded funding transactions in **MLA Format**

PROJECTS

Personal Portfolio | **1000+** views (~**25** hours) | [Portfolio GitHub Repo](#)

Sep 2024-Mar 2025

- Attracted **200+** unique visitors across **5+** countries in **10** days, built using **React, Three.js**,

Tailwind and **VanillaJS**

- Optimized application for diverse environments, maintaining a bounce rate below **50%** across **10+** browsers and **8+** operating systems

Hand Gesture Recognition | **350+** views (~**10** hours) | [GitHub repo](#)

Nov 2024 - Dec 2024

- Achieved **95%** accuracy in real-time gesture detection and sign language detection using **Python** libraries
- Enabled **20–30 FPS** rendering with optimized submodules and a scalable backend

Waste Management System | 400+ views (~15 hours) | [Revolutionize Waste Tracking](#) **Dec 2024**

- Created a waste-tracking site (**HTML, CSS, Tailwind, JS, PHP, SQL**), tracking **50%** waste reduction
- Integrated PowerBI dashboards, highlighting **30%** recycling and **20%** composting with recycler services

CERTIFICATIONS

- **Object-Oriented** Data Structures in **C++** | (~21 hours) | [Certificate Link](#) **August 31 2024**
- **JavaScript** Algorithms & Data Structures | (~300 hours) | [Certificate Link](#) **April 24 2024**
- The Bits and Bytes of **Computer Networking** | (~20.5 hours) | [Link](#) **March 28 2025**
- Crash Course on **Python** | (~20 hours) | [Certificate Link](#) **April 8 2023**

SKILLS

Languages **Proficient** · Python(4yrs) · MySQL(3yrs) · C(3 yrs) **Intermediate** · C++ Programming(1.5yrs) **Beginner** · TypeScript(1yr)

Software · Git · GitHub · GCP · Postman · Flask · Artificial Intelligence · Jira · Lucidchart · Machine Learning · Microsoft Visio

Miscellaneous · JSON (My LaTeX Cheat Sheet : [GitHub Repo](#)) · Vim · MongoDB · Express · Node.js · Three.js · Next.js · LaTeX

ACHIEVEMENTS

- Earned a **Finalist** spot at TechGig **Code Gladiators** 2024, ranking in the top **3%** among thousands of international participants, by solving DSA problems using **C, C++ & Python**
- **5 ★** on **HackerRank** in **Algorithms**, having solved **50+** sectional questions majorly in **C++** and **Python**, learnt & practiced **10+** different solving techniques
- Reached **Diamond** League status in **Google Cloud** Arcade '24, collecting **25+** badges, **15+** Arcade points, and securing **Standard** Milestone swags
- Finished with **500** points and **5+** badges in **GirlScript** SOC 2024 , achieving a top **28%** finish among **2400+** participants
- Led a team of **4** to **1st** place in **Tech Hunt** KJSCE 2023 – a technical puzzle-solving competition, competing against **8+** teams

SOCIETIES

KJSCE Emfinity - Tech Team

28 Aug 2023 - 26 May 2024

- Designed **200+** math questions and conducted **5+** activities , engaging **450+** students
- Led PR efforts , boosting social media followers by **20%** through campaigns