

Soumil Mukhopadhyay

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[HackerRank](#) | [CodeChef](#) |  [Google Cloud](#) |  [LaTeX Cheat Sheet](#)

EDUCATION

K.J. Somaia College of Engineering , Vidyavihar

Expected Graduation: June 2026

Bachelors of Technology in Computer Engineering

Relevant Coursework : Web Development, Data Structures, Algorithms, Software Engineering, Data Science and Analytics

EXPERIENCE

SWE Intern - **NPCIL**, Mumbai , Maharashtra

May 2024 - July 2024

- Built a Process Monitor Module **GUI** in **Python** . Ran checks for **10+** categories using **QtCreator**
- Tracked **10+** processes with resources monitored and processes managed. Used **PyQt library** , and **SQLite**
- 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
- Developed **10+** responsive assets, **2** animations with **5+** face views, boosting performance and load speed by **20%**

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 | Open-Source SPA | **1000+** views (~25 hours) | [Portfolio GitHub Repo](#)

Sep 2024-Mar 2025

- Leveraged React, Three.js, Tailwind and VanillaJS to attract 200+ unique visitors across 5+ countries in 10 days
- Engineered a cross-platform app ensuring compatibility across **10+** browsers and **8+** OS, reducing bounce rate under **50%**

Hand Gesture Recognition | Open-Source | **350+** views (~10 hours) | [Master Gesture Recognition Now](#)

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 | Team Project & Open-source | **400+** views (~15 hours) | [Revolutionize Waste Tracking](#)

Dec 2024

- Developed 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

SKILLS

Languages **Proficient** · Python(4yrs) · SQL(3yrs) **Intermediate** · C++(1.5yrs) · JavaScript(2yrs) **Beginner** · TypeScript(1yr) · PHP(1yr)

Software · Git · GitHub · GCP · OpenCV · TensorFlow · Postman · Bootstrap · TailWind · Vercel · Expo · React · React Native · Flask

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

ACHIEVEMENTS

- **Finalist** at **TechGig Code Gladiators 2024** - ranked among the **top 3%** of submissions
- Reached **Diamond League** in **Google Cloud Arcade '24** - with **25+** badges and **15+** Arcade points, won **Standard Milestone** swags
- **3 ★** on **CodeChef** (rating **1624**) - top **8%** of active users , best rank **143** in CodeChef Starters **160**
- 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