PARAMBRATA GHOSH

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EDUCATION

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex — Kolkata, India

Bachelor of Technology in Computer Science & Engineering; GPA: 8.218 — **June 2022 – June 2026**

Sri Ramkrishna Sikshalaya, Howrah — Howrah, India

Secondary:86.2%; Higher S.: 83.6 % — **April 2020 – March 2022**

SKILLS SUMMARY

- **Languages:** Python, JavaScript, TypeScript, SQL, C, Java
- **Library:** NumPy, Pandas, Scikit-Learn, OpenCV, Matplotlib, React, Tailwind CSS, Express
- **Frameworks:** Next.js, Vite, ESLint
- **Tools:** Git, Node.js, MongoDB, MySQL, PostgreSQL
- **Soft Skills:** Rapid Development, People Management, Excellent communication

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WORK EXPERIENCE

JUNIOR TECHNICAL ASSOCIATE | SAPMATE | LINK — **OCTOBER 24 -PRESENT**

- Led sapmate.com development with React/Next.js, achieving 40% faster loads and 99.9% uptime while implementing SEO that drove 60% organic traffic growth
- Created Software as a Service named Alkaa, which is a employee management system primarily focused on small business and custom role management.
- Created responsive UI/UX and marketing assets, reducing mobile bounce rate by 35% and increasing conversions by 30%

PROJECT

ProjectXplore | LINK | GITHUB | DOCS — 2024 -- 2025

Full-stack Project Management Platform

- Architected and developed a 30,000+ LOC enterprise project management system using Next.js, Express.js, and PostgreSQL, featuring real-time collaboration and role-based access control
- Ensured system reliability through comprehensive documentation and high-availability infrastructure deployment, enabling seamless team operations and file sharing

ClassEdgee | GITHUB | DOCS

- Developed ClassEdgee, a Smart Classroom Management System, integrating AI-driven **face recognition for automated attendance, interactive classrooms, automated schedule management, resource sharing, performance analytics, and real-time notifications** to enhance the learning experience.
- Built a scalable and secure platform using React, Node.js (Express, Prisma, PostgreSQL), and FastAPI (**OpenCV**, **Pydantic**, **Cloudinary**) to ensure seamless interactions between students, faculty, and administrators.

Bank Management System | GITHUB | DOCS

Financial Transaction Platform

- Created secure banking system with **MySQL database** integration, implementing robust user authentication and transaction management
- Developed intuitive GUI using **Python** and **Tkinter**, focusing on user experience and system security.

ACHIEVEMENTS

SMART INDIA HACKATHON 2024 FINALIST | LINK

- We worked on the SIH1625 problem statement given by NCT Delhi. Out of 500 submissions, we were selected as one of the five finalists. I served as the Technical Leader of my team, which consisted of aspiring developers.

HACK4BENGAL 3.0 PARTICIPANTS | LINK

- We developed NutriLens, a project designed to analyze and provide nutritional information from images of food labels. I contributed to the team by developing the Android app using React Native.

CERTIFICATES

PROGRAMMING IN PYTHON | META | LINK   **CSS, JavaScript and Python | LINK**   **CSS Crash Course | LINK**

Linux Command-Line & Shell Scripting | LINK   **HTML 5, Python, Flask Framework | LINK**   **Useful Excel for Beginners | UDEMY**