PRAJAKTA SARKHEL

CSE Undergrad | Aspiring Software Developer

+91 9471715055 • prajaktasarkhel@gmail.com • linkedin.com/in/prajakta-sarkhel • github.com/PrajaktaSarkhel • Portfolio

EDUCATION

ASANSOL ENGINEERING COLLEGE (MAKAUT), WEST BENGAL, INDIA *2024 – 2028*
Bachelor of Technology in Computer Science & Engineering *CGPA (1st year)- 8.68*

AUXILIUM CONVENT SCHOOL (ISC), WEST BENGAL, INDIA *2021 – 2023*
Higher Secondary Education *Score: 92.25%*

MOUNT CARMEL SCHOOL (ICSE), JHARKHAND, INDIA *2009 – 2021*
Secondary Education *Score: 96.4%*

PROJECTS

Eunoia | HTML5, CSS3, JavaScript, Web Audio API *May 2025 – June 2025*
- Built a research-inspired mental wellness web application focusing on UI mode impact
- Designed responsive interfaces with persistent user preferences
- Explored mood-based interactions to enhance usability

PosturePro | IoT, Hardware Integration *July 2025 – Sept 2025*
- Led development of an IoT-based posture monitoring prototype integrating hardware and system design
- Presented solution architecture at TSEC 2025, IIM Calcutta
- Focused on real-world usability and system feasibility

RESEARCH PUBLICATIONS

- **An Insight into Impact of Dark Mode on Energy Conservation Across Devices** *February 2025*
  National Conference on Communication, Computing and IoT (NCCCI-2025)

- **The Role of Stimuli-Responsive Materials for Biomedical Challenges** *September 2025*
  AICTE - VAANI Conference | Utilized AI-assisted visualizations for data representation

TECHNICAL SKILLS

Programming Languages: C, C++, Python, JavaScript, Java
Web Technologies: HTML5, CSS3, Tailwind CSS, JavaScript, ReactJs
Tools & Platforms: Git, GitHub, Vercel, Figma
Currently Learning: Node.js, MongoDB, Next.js, TypeScript, SQL
Core Competencies: Data Structures & Algorithms, Problem Solving, Technical Writing, UI/UX Design

COURSEWORK AND ACHIEVEMENTS

- **Core Subjects:** Data Structures and Algorithms, Design Analysis and Algorithms, Computer Organization and Architecture, Object Oriented Programming, DBMS.
- Presented **PosturePro at TSEC 2025, IIM Calcutta** as **Team Lead**.
- Published **2 research papers in national-level conferences**.
- Solved **100+ problems on LeetCode** with consistent practice in Data Structures and Algorithms.
- Contributed to **Hacktoberfest 2024** with 4 merged pull requests in open-source projects.
- Participated in **8-hour offline hackathon**, developing and submitting a functional project prototype.
- Demonstrated **leadership** through **team coordination** and event organization in **academic** and **technical settings**
  1. **Management Lead** - Development Society, AEC (Feb 2025 - Dec 2025)
  2. **Core Committee** - Rhetoric Circle, AEC (Apr 2025 - Present)
- Pursuing **Bachelor's in Fine Arts** from **Bangiya Sangeet Parishad (affiliated to Rabindra Bharati University)**, demonstrating creative thinking and design sensibility alongside technical expertise.