Anirban Pal

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PROFILE SUMMARY

Computer Science Engineering graduate with strong skills in software development, algorithms, and full-stack technologies. Passionate about building efficient, scalable solutions and contributing to innovative engineering teams.

EDUCATION

- **Siliguri Institute of Technology** — Siliguri, India
  Bachelor of Technology - Computer Science & Engineering — *(8.68, till 5th Sem) 2022 - 2026*

○ **Caesar School** (CBSE) – **Class 12: 80.6% (2021)** – **Class 10: 95.2% (2019)**

INTERNSHIP

- **Elegant Research Solutions** (Kolkata, India) – **Technical Writer**. Jan - March 2024:
  ○ Wrote technical **documentation** on developing a GPS tracking system in shoes using **Python**, covering real-time location tracking and emergency alert features for **women's safety**.

OPEN SOURCE WORK

- **flyteorg/flyte**:
  ○ Fixed [Docs] Spot/interruptible docs to clarify retry expectations.
  ○ **PR**: flyteorg/flyte#5938

- **openfga/cli**:
  ○ Avoid importing tuples if none are present.
  ○ **PR**: openfga/cli#408

- **cieslarmichal/faker-cxx**:
  ○ Regenerate Table of Contents in README
  ○ **PR**: cieslarmichal/faker-cxx#962

PROJECTS

- **Canvas AI** – (*Python, React.js, TypeScript, PostgreSQL*)
  ○ An **interactive** math and drawing tool powered by **AI**
  ○ Users can draw with sub **5ms** latency, ensuring a smooth and responsive experience.
  ○ Equations are processed in under **100ms**, providing near-instant visual feedback with **90%+** accuracy.

- **Multithreaded Web Server** – (*Java*)
  ○ Developed a multithreaded web server in Java, implementing three distinct architectures: **Multithreaded, SingleThreaded, Threadpool**
  ○ Successfully managed up to **100** simultaneous client connections during testing.
  ○ Configured to handle up to **10** concurrent client connections

- **Karyasetu** – (*JavaScript, Node.js, Express.js, MongoDB*)
  ○ Developed a task manager application for efficient task management and organization.
  ○ Implemented CRUD operations and integrated MongoDB for data storage.

SKILLS

- **Languages:** JavaScript, Java, Python, C++
- **Databases:** MongoDB, MySQL. PostgreSQL
- **Soft Skills:** Leadership, Problem-Solving, Analytical Skills, Communication

HOBBIES

Gym, Pixel Art

EXTRACURRICULAR

- Wrote **expository article** on Space-Tech satrtups in India for CS Newsletter
- **Problem Solving** Solved 120+ LeetCode problems.
- Completed: **Introduction to Containers** – Offered by IBM.