Eshan Chatterjee

Contact No.: 9748969649 | E-mail: eshan20012@gmailcom | LinkedIn | Github | My Site

About Me

I am a proactive individual *eager to learn & dive* into new technologies. I strive for a challenge where I can contribute with my skills and gain experience and learn along the way. I pride myself on my work ethic, people skills and teamwork. And in my spare time I like to do some *Photography* and *Art*.

Technical Skills

I am proficient in **C/C++, Rust**. Admittedly, from time to time I get into fights with the rust borrow checker. I also have intermediate knowledge in **Python, Javascript and Java.**

Projects

- **Sparrow**
  I was having some trouble understanding Compiler Design, so to understand it a bit better I decided to reverse engineer Fourth in *C++.*
- **Oxygen**
  At some point of time I got tired of using Post-It notes for every other thought, when I was doing something. This led to me making a Voice Journal App, where I can easily record an Idea or Task and quickly go back to my workflow, without leaving the Terminal.
- **Plus**
  After a few weeks of using rust and falling in love with cargo and how it sets up a new rust project in one simple command. I had the idea to create a small utility application for setting up projects for C++.
- **Chat**
  As part of my university course I had a Networking Course. So I decided to understand the ins and outs a bit better why not design a RTC compliant chat application. At this point I was learning Web Assembly so I made the decision to pack the UI with WASM rather than classic Javascript.
- **AQI Tool**
  A Tool that fetches the AQI of a Location using the api provided by *Air Quality Open Data Platform.* This was one of my first few applications I wrote to understand the **Rust Ecosystem.**
- **Robin**
  A rudimentary web browser engine capable of rendering HTML and CSS. The rendered page can be saved as a *png* and or a *pdf* . I wrote it with **Rust.** My main goal with this project was to understand how browser renderers work.

Work Experience

- **Maventic Innovative Solutions** as Software Developer Intern.

  Achievements: Optimized an Internal Tool to process data 15% faster. Wrote a library used in an Internal Tool. Designed the API for a distributed system. Updated legacy code base for handling database connections, that runs in both client(sqlite and WebSQL) and server(SQL Databases).

  Duration: *Feb '23 – July '23*

Education

- *B. Tech* in *Computer Science and Engineering*   2019-2023
  - B.P. Institute on Management and Technology   GPA: 8.9
- Aditya Academy Senior Secondary
  - 12th Standard   GPA: 7.2   2019
  - 10th Standard   GPA: 6.6   2017