**Atharav**

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**EDUCATION**

**Netaji Subhas University of Technology** | B.Tech. in Computer Science May 2024 || **8.53/10**

**LANGUAGES & TECHNOLOGIES**

C++ | C | Python| Scala | HTML | CSS | JavaScript | Typescript | React | SQL | Redis | EKS | Docker | Kafka | Datadog | ElasticSearch | OOPs | Operating System | Multithreading | DBMS | Langchain | LLMs | Harness | Terraform | RestfulAPIs | gRPC | Webhook | MongoDB | Postgres | AWS | Newrelic

**EXPERIENCE**

**Shipsy Sept 2024 - Present** SDE-1

**●** Integrated multiple 3PL courier partners (**FedEx**, **DHL Express**, **Bluedart**, **Delhivery**) with Shipsy platform for clients such as **Reliance** and **Hellmann**. Implemented end-to-end API integrations for shipment booking, cancellation, editing, and pickups. Enabled real-time shipment tracking using **tracking APIs** and **webhooks**.

**●** Developed an internal **auditing service** to track all configuration changes made within the **marketplace**, enabling better debugging, accountability, and safer deployments. Logged detailed change history in a **PostgreSQL** database to maintain a reliable audit trail and support future enhancements.

**●** Implemented a generic **BookingQueueExecutor** to handle **asynchronous** shipment bookings with **built-in retry mechanisms** and time-based execution control.

**●** Implemented **role-based access control** (RBAC) for the internal integration marketplace, restricting configuration changes to authorized employees based on **permission scopes** and ensuring secure, auditable modifications

**●** Designed and implemented a **tag-based** configuration system enabling clients to associate custom metadata with **consignments**, allowing dynamic handling of shipment attributes across **downstream services**.

**●** Enhanced the existing logging module by making internal **APIs** and fetching data from **ElasticSearch** on dashboard for better visibility and debugging.

**Gemini Intergalactic Jan 2024 - June 2024** Software Developer Intern

**●** Created a team specific task server(shifted from the main server to make shift from **monolithic** to **microservices**), managed allotment of resources through **terraform** and **AWS.** Managed cron jobs on **EKS (Elastic Kubernetes Service)** clusters.

● Created a library which could read **feature flags** for cpp services.

● Worked on the GTHS service (**grpc** trading history server) and wrote **grpc** requests that read data from the **database** and sent it to the **Gemini Exchange** (client side).

● Implementing metrics on **datadog** in a **synchronous** manner during cases of service shutdown.

● Wrote **unit tests** using **gtest** framework and increased the line coverage up to **90%** for many cpp services.

**Estee Advisors June 2023 - Aug 2023** Technology Analyst Intern

**●** Developed and integrated 150 advanced **Technical Indicators** (in **Python**) for **NSE 500** securities, futures, and options, optimizing **real-time data processing** using **socket** connections.

● Implemented efficient data storage solutions using **Redis** and **SQL Server**, enabling accurate indicator calculations and timely decision-making.

**●** Ensured reliable indicator performance by rigorously testing and **validating outputs**, contributing to effective trading strategies and enhancing market analysis tools.

**PROJECTS**

**Social Media Blocker**   
● A website Blocker **Chrome-Extension** developed using **HTML**, **CSS**, **JavaScript, Bootstrap.**

● Features setInterval **Async polling** to check tab load status periodically and closes the current active window. ● Uses **chrome.runtimeAPI** to communicate with part of the application.

**PDF Query Resolver**   
● **Langchain** App to chat with multiple PDF files using the **ChatGPT API** and **HuggingFace Language Models**.   
● Provides responses to inquiries based on the content found within the uploaded **PDF files**.

**Academic Achievements**

● Among the leading 70 teams nationwide in the HACKON Hackathon, hosted by Amazon.

**●** Secured **department rank 5** in 1st year.

**●** Qualified to the Proposal Round in **Summer Of Bitcoin ‘22.**

● Secured 99.79 percentile in JEE Mains January, 2020.

● Conducted a hackathon in TechX, flagship event of IOSD.

● Have hosted 5+ Data Structures and Algorithms contests for juniors on **HackerRank**.

**Position of Responsibility**

**International Organization of Software Developers (IOSD- NSUT)**

● Data Structures and Algorithms Lead Jul. 2022 – Apr 2024   
● **Leetcode:** https://leetcode.com/Atharav107/

● **Linkedin:** www.linkedin.com/in/atharav-mahajan-13935220