# 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