

EDUCATION

- **Indian Institute of Information Technology**

Kancheepuram, India

Bachelor of Technology, Computer Engineering; GPA: 8.01/10.0

July 2015 – July 2019

Relevant Coursework: Data Structures, Algorithms, Database Systems, Operating Systems, Linear Algebra.

EXPERIENCE

- **Aqfer**

Chennai, India

Software Engineer 2

Dec 2022 - Present

- **aMDP Platform Development:** Led the development of an aMDP platform, enabling users to run diverse in-house job types (mappers, transformers, collators) within a sandbox environment. Implemented job configuration promotion from development to production sandboxes after successful testing.
- **Job Configuration Promotion:** Implemented job configuration promotion from development to production sandboxes after successful testing.
- **aMDP platform backend APIs:** Designed and developed robust APIs for seamless management of sandboxes, jobs, job runs, and job promotions. Implemented APIs for sandbox entities, jobs, and job promotion, enabling the functionalities to run, cancel, and access detailed logs for sandbox jobs.
- **aMDP Sandbox CLI:** Successfully delivered a user-friendly Golang CLI interface using the aMDP sandbox APIs.

Software Engineer1

May 2019 - Dec 2022

- **Product Enhancements:** Worked on customisation of aqfer datalake as a yaml configuration files to accommodate various client requirements like data import, collating data from multiple sources
- **Datalake Features:** Added features like archiving input files to s3, pseudonymizing input columns, collecting input, output metrics like file count, byte count and record count in spark jobs based on job configuration
- **Api Connectors:** Worked on developing api connectors for various sources like facebook, google.
- **Data pipelines:** Involved in designing data pipelines based on the client requirements and also have written jobs using in house tools which requires python coding.
- **Akamai CDN logs:** Contributed to the code base which process the akamai CDN request logs and copies the avro files to the client s3 buckets
- **Clients customizations:** Converted Redshift SQL queries into Spark Scala code for clients.

Software Engineer Intern

May 2018 - Sep 2019

- **PPO offer:** Offered full time position Software Engineer, at the end of my internship .
- **Gulp webserver:** Added more functionalities to the gulp web server which simulates the akamai behaviour in the production and is used for local testing in the laptop.
- **Browser tests:** Have written browser tests in javascript using selenium, mocha libraries for aqfer tag manager product.

TECHNICAL SKILLS

- **Languages:** Scala, C++, Python, Java, Golang, MYSQL.
- **Tools & Technologies:** AWS, ApacheSpark, Kubernetes, SBT, GIT, NodeJS, Selenium.

PROJECTS

- **Avro file merge:** Have written a C++ program to merge avro files.
- **Car Racer:** The game is to prevent your car from crashing into opponents car coming from the opposite direction. The player wins the game if he reaches the end of the track without any crash.
- **Brain Lesion Segmentation:** Implemented Unet FCN network to segment the lesion from brain MRI images in python. Achieved an accuracy of 96 percent on validation dataset.

INTERESTS & HOBBIES

- Travelling, playing basketball, badminton and reading books.