



Jaya Mukesh

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Chennai, India

Education

B.Tech ECE

2019 - 2023 | IIIT Allahabad

CGPA - 8.01

Intermediate

2016 - 2018 | Kenbridge School - Tirunelveli

CGPA - 9.08

High School

2014 - 2016 | Dharani School - Tenkasi

Score - 98%

Tech Stack

Coding Languages

C/C++, Python, Java

Cloud

Azure, AWS

Tools and Frameworks

Docker, Kubernetes, Dropwizard, Poetry,
Postman API, Git

Database and Data Analysis

MySQL, dynamoDB, Pandas & Scipy

Other Basic Skills

Arduino, IoT, Neural Networks(Tflow, pyTorch),
Data cleaning and Feature engineering

Languages

- English
- Tamil
- Hindi

Hobby

- Novel & ScreenPlay Writing
- Cooking
- Travelling

Xillion FinTech - Internship

Summer - 2022 | [Certificate Link](#)

Financial Domain

Portfolio Decisions Backtester `</> Python, Pandas </>`

Analysis of customer's historical portfolio and propose
Futures & options based missed/better decisions.

Financial Logics and Solutions `</> Java </>`

Financial Independence goal logic. Stock and portfolio
metrics calculation.

Tech Domain

ETL Batch Jobs `</> Python, Mysql, AWS, Docker </>`

Collects and Stores website analysis data into an in-house
relational database.

Multi Chat Platform Sync `</> Python, AWS, APIs </>`

Messages sent by different customers using Discord/Slack
/Xillion Chat Platform are synced among all platforms.

Backend and API - Development and Testing

`</> Java, Dropwizard, Docker, dynamoDB, AWS </>`

- Customer onboarding email flow with Sendgrid Api and
savings/asset accounts linking flow with Plaid's API.
- Weekly local testing of Backend with Postman API
platform and dockerized dynamoDB environment.

Personal Project

Strategy and Risk Management System for Equity and Derivatives `</> Azure, Python </>`

Market Data Feed `</> Websocket, Mysql </>`

Stores Live and Historical market data of NSE/BSE/Binance
using WebSocket into a local database.

Microservices and APIs for Strategy and Risk Algorithms `</> Kubernetes, Postman, Scipy </>`

Serverless or Container based endpoints for running
Strategy Pipelines and Metrics calculation.

Portfolio Risk Monitor

Based on risk parameters calculated considering the
system, server and market conditions, this monitor allows
new orders or squares of existing orders.