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
Score – 90.8%

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 & Numpy

Other Basic Skills
Arduino, IoT, Scikit Learn & Basic Neural Networks

Languages

- English
- Tamil
- Hindi

Hobby

- Novel & ScreenPlay Writing
- Cooking
- Travelling

Xillion FinTech - Intership
Summer – 2022 | Certificate Link

Financial Domain

- **Porfolio 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, Kubernetes </>`

  - **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** `</> Postman, Flask, Azure functions</>`
    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.