



# Jaya Mukesh

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Chennai, India

## Education

### B.Tech ECE

2019 - 2023 | IIIT Allahabad  
Score - 8.01

### Intermediate

2016 - 2018 | Kenbridge School - Tirunelveli  
Score - 9.08

### High School

2014 - 2016 | Dharani School - Tenkasi  
Score - 9.8

## Tech Stack

### Coding Languages

C/C++, Python, Java

### Cloud

Azure, AWS

### Tools and Frameworks

Docker, Kubernetes, Dropwizard, Poetry,  
VCS, Postman API, Scipy

### Database and Data Analysis

MySQL, dynamoDB, Pandas, Spreadsheet

### OS

GNU/Linux, MacOS, Windows

## Languages

- English
- Tamil
- Hindi

## Hobby

- Novel & ScreenPlay Writing
- Cooking
- Travelling

## Xillion FinTech - Internship

Summer - 2022 | [Certificate Link](#)

### Financial Domain

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

Financial Independence goal logic. Stock and portfolio metrics calculation.

#### Portfolio Risk Analysis `</> Python, Pandas </>`

Analysis of quality of historical investment decisions of customer portfolio.

### 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, Async </>`

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's savings and asset account linking flow with Plaid's API and dynamoDB.
- Scheduled 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.

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

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.