Preethi Thiyagarajan

SOFTWARE ENGINEER

✉ preethit21@gmail.com | Preethi Thiyagarajan | preethi-thiyagarajan-442702216

Experience

Fidelity Investments

ASSOCIATE SOFTWARE ENGINEER   *Aug. 2022 - Present*

Project HASH - Enterprise Infrastructure for crypto-assets (Ether, Bitcoin) to support retail traders/other businesses. Offering customers various cryptocurrency capabilities like account opening, money movement, trading, account maintenance, etc.

-Role: Leading one of the many microservices in the platform (Operations Workstation) building API endpoints in the backend, working with MongoDB and MariaDB.

. -Skills Acquired: REST APIs · Spring Boot · Jenkins · MongoDB · MariaDB · MongoDB Compass · Apache Kafka · Datadog · Java

Fidelity Investments

SOFTWARE DEVELOPER INTERN   *Jan. 2022 - June 2022*

Financial Transactions Anomaly Detection - automation of the review of financial transactions in order to learn company's financial transaction patterns, evaluate transactions based on the review cycle and to flag transactions that don't match the historical patterns for scrutiny.

. - Skills Acquired: Snowflake · Microsoft Power BI · Machine Learning · BMC Control-M · Amazon S3 · Python

SAP Ariba to Snowflake Data Migration POC- A Proof of Concept to pull data from SAP Ariba leveraging APIs into Snowflake Data Lake.

-- Responsibilities: building the Apache Nifi flow to pull data from Ariba and generate json/csv file into Amazon S3. Worked on writing queries to match the Snowflake table columns with metadata obtained from S3.

- Stack Used: Apache NiFi· SnowSql · BMC Control-M · Amazon S3 · Python · Snowflake.

Education

Sri Sivasubramaniya Nadar College of Engineering - Anna University   *Chennai, India*

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE AND ENGINEERING, CGPA: 8.7/10   *Aug. 2018 - 2022*

Projects

☐Sentiment Analyser

MACHINE LEARNING, JUPYTER NOTEBOOK, PYTHON   *April. 2021*

• Developed a sentiment analyser applying Convolutional Neural Networks that classifies the textual review into positive

and negative emotion.

☐ Passport Automation System

HTML, CSS, JAVA, MySQL   *March. 2021*

• An application for applying passport online.

• Role: Team Lead, Frontend (HTML, CSS), Backend (Java)

☐ Learning Management System

JAVA   *Oct 2019*

• Designed a LMS for students and teachers to access the grade sheets and updating the mark list of the students.

• Role: Personal Mini Project to showcase java fundamentals

☐ Water Transportation Management

C – Data Structures   *April 2019*

• Delivering water by means of transport to various places in the city based of the capacity and availability using graphs (Dijkstra's Algorithm) in C.

Skills

Languages	Python, Java, [SQL](intermediate), [C, Java, Dart](beginner)
Frontend	AngularJS (beginner)
Backend	Java, [AWS Lambda](Beginner)
Databases	[MySQL, MongoDB, MariaDB, SnowSql](intermediate)
Other	Control-M, Datadog, Jenkins, Apache Nifi, Snowflake, PowerBI, Amazon S3

Organizations and Interests

U&I Org – Leader   *March 2023 - Present*

Leader at U&I (A Non-profit Organization that provides English and life skills classes to underprivileged shelter home children) contributing 2.5-3 hours every weekend