

Achudhan M

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Chennai, Tamil Nadu, India

EDUCATION

SRM University

Bachelor of Technology in Computer Science; CGPA: 8.75

Chennai, Tamil Nadu

2022-2026

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML, CSS

Frameworks & Libraries: Spring Boot, React.js, NumPy, Pandas, Scikit-Learn

Databases & Tools: MySQL, H2, Kafka, Postman, Git, AWS, REST APIs

Core Competencies: Data Structures & Algorithms, Object-Oriented Programming, Microservices, Agile/SDLC

EXPERIENCE

Software Development Engineer - Virtual Experience

July 2025

JPMorgan Chase & Co.

Remote

- Designed and implemented RESTful APIs using Spring Boot integrated with Kafka messaging for event-driven architecture and H2 in-memory database for rapid prototyping
- Built and tested backend controller APIs using Postman, gaining hands-on experience with enterprise-grade microservice architecture and modern development workflows.

Software Engineering Virtual Experience

June 2025

Accenture

Remote

- Completed full software development lifecycle tasks including architecture design, security implementation, and unit testing following Agile methodology
- Applied industry best practices for enterprise-scale application development in consulting environments

Data Analyst - Virtual Experience

May 2025

Quantum

Remote

- Performed customer segmentation and uplift modeling using Python (Pandas, NumPy) to derive actionable business insights
- Conducted A/B testing and hypothesis testing to measure campaign effectiveness and guide commercial decision-making

PROJECTS

Intelligent Financial Analytics Platform | Java, Spring Boot, PostgreSQL, Docker, FastAPI, Python

2025

- Developed a microservices-based financial transaction and fraud detection platform using Spring Boot and PostgreSQL, integrating a Python ML service for real-time fraud scoring, and Dockerized the backend, ML, and database services with Docker Compose to enable scalable, environment-independent deployment and reliable inter-service communication.

MidasCore Banking Platform | Java, Spring Boot, Apache Kafka, H2 Database, Mockito, Postman, Maven

2025

- Built a core banking microservice using Spring Boot with RESTful APIs for account, transaction, and customer operations, including validation and robust error handling.
- Integrated Apache Kafka for event-driven processing and implemented file-based ingestion with unit and integration testing using Mockito and Postman to ensure system reliability.

BigMart Sales Prediction | Python, Scikit-Learn, Pandas, XGBoost

2025

- Built an end-to-end regression pipeline using XGBoost to predict product sales across multiple retail outlets, achieving improved prediction accuracy through model tuning.
- Conducted exploratory data analysis and visualization to identify sales patterns, feature importance, and business insights influencing model performance..

CERTIFICATIONS

Introduction to Transformer-Based Natural Language Processing | React.js Complete Course | Python for Machine Learning | Programming in HTML5 with JavaScript and CSS3