

Mithun V Gowda

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PROFESSIONAL SUMMARY

Software engineer with 2+ years at ITC Infotech building production Java Spring Boot and Node.js services for **500,000+** members at **2,000+** requests per second. Completed an M.S. in Computer Science at Binghamton University in May 2026, bringing testable backend services, AWS delivery, and ML project work to teams shipping AI-supporting products.

PROFESSIONAL EXPERIENCE

ITC Infotech Pvt. Ltd., | *Software Engineer* | Bangalore, India

Jan 2022 – Jun 2024

Tech Stack: Java, Spring Boot, Node.js, Express, Python, PostgreSQL, MongoDB, AWS S3, Jenkins, Git

- Developed production Java Spring Boot microservices for loyalty and payment systems serving **500,000+** members
- Engineered Node.js and Express REST APIs as a routing layer handling **2,000+** concurrent requests per second at peak
- Built ETL pipelines streaming PostgreSQL and MongoDB data into Snowflake, using Python scripts to validate payment webhooks and fix data discrepancies.
- Integrated Razor pay and Pine Labs gateways with UPI webhooks while optimizing PostgreSQL B-Tree indexes to cut search delays by **20% for 15,000+** daily users.
- Developed responsive React and Angular loyalty dashboards, reducing frontend code duplication by 10% through reusable component architecture
- Participated in Git pull-request reviews and feature branching to maintain coding standards on production services
- Integrated AWS SDK for S3 document retrieval and maintained Jenkins CI/CD pipelines alongside Git PR reviews to streamline deployments

PROJECTS

AI-Powered Analytics & RAG Engine, *Data Engineering* | Independent Project | [GitHub](#)

Aug 2026

- Built a Python S3-to-Snowflake pipeline with dbt, processing **10M+** orders and **23M+** order items
- Enriched **300,000+** reviews with OpenAI GPT-4o-mini into structured sentiment and topic fields
- Implemented a RAG chat interface over review embeddings and a guarded text-to-SQL assistant served through Streamlit
- Orchestrated the load-transform-enrich-analyze pipeline as a daily Airflow DAG running in Docker
- Used Claude Code and Copilot for debugging Airflow DAG failures and dbt model errors, validating all AI-suggested changes through unit tests before merging

JPMorgan Chase Software Engineering Job Simulation | Forage | [GitHub](#)

Jul 2026

- Integrated Kafka in Spring Boot to consume, deserialize, and process high-volume transaction messages.
- Built unit and integration tests using an embedded Kafka framework to validate event-driven workflows.
- Applied Spring Data JPA and H2 database persistence with automated JUnit and Maven test validation.
- Integrated external REST incentive APIs via Rest Template and exposed microservice balance-query endpoints.

Cloud Native Portfolio on AWS EKS | Independent Project | [GitHub](#)

Nov 2025

- Built React and Vite single-page application, structuring reusable components to optimize client-side rendering
- Containerized the application using multi-stage Docker builds and deployed it onto an AWS EKS Kubernetes cluster
- Provisioned cloud infrastructure using Terraform and built automated GitHub Actions CI/CD pipelines for linting, testing, and zero-downtime rolling deployments

EDUCATION

Binghamton University, SUNY

Master of Science in Computer Science | (GPA: 3.67 / 4.00)

May 2026

TECHNICAL SKILLS

Programming: Python, JavaScript, Java, SQL, C++, C

Backend and Systems: Spring Boot, Node.js, Express, Redis, REST APIs, microservices, Kafka

Machine Learning: TensorFlow/Keras, Scikit-learn, CNNs, NLP, model inference, NumPy, Pandas

Cloud and Data: AWS S3, AWS EKS, Docker, Kubernetes, PostgreSQL, Snowflake, ETL/ELT, Apache Airflow, dbt

AI-Assisted Development: Cursor, GitHub Copilot, Claude Code

Testing and Collaboration: JUnit, Mockito, Git, code review, Jenkins, GitHub Actions, CI/CD

Certifications: AWS Certified AI Practitioner, Redis for Python Developers