

# GARVIT JOSHI

Bengaluru · garvitjoshi9@gmail.com · 7983856395 ·  ·  · 

## ABOUT

Experienced Software Engineer with a proven track record in optimizing routing algorithms and automating processes to improve efficiency and client satisfaction. Skilled in leveraging advanced technologies to deliver impactful solutions and drive operational excellence.

## EDUCATION

### Lovely Professional University

Bachelor of Technology Computer Science, *GPA: 7.77*

Jalandhar, Punjab

Aug 2018 - Jul 2022

### St. Anthony Sr. Sec. School

XII, Physics, Chemistry, Maths, Computer Science *Percentage: 66.6%*

Fatehgarh, Uttar Pradesh

May 2017 - Jun 2018

### St. Thresa Sr. Sec. School

X, *Percentage: 68.4*

Nainital, Uttarakhand

May 2015 - Jun 2016

## WORK EXPERIENCE

### MoveInSync

*Software Engineer-2*

Bengaluru, Karnataka

Apr 2024 - Present

- Supervised the optimization of routing algorithms, achieving a 40% improvement in efficiency using advanced profiling techniques.
- Analyzed and Proactively reduced Technical Support tickets by 23% through proactive issue resolution and system improvements.
- Led the implementation of Neo4j for storing geocode distances, enhancing routing accuracy and reducing computation times.

### MoveInSync

*Software Engineer*

Bengaluru, Karnataka

May 2022 - March

- Contributed to the Vehicle Optimization team, automating employee commute to the office while maximizing cab utilization.
- Played a key role in automating the point of interest setup for new clients, significantly streamlining onboarding processes and improving client satisfaction and retention.
- Implemented a dynamic employee scheduling solution utilizing a genetic algorithm to optimize workforce allocation for clients, effectively reducing mobility costs.
- Collaborated in developing a robust Configuration Service, enabling clients to tailor routing algorithms to their needs, improving customer engagement and flexibility.

### MoveInSync

*Software Engineer-Intern*

Bengaluru, Karnataka

Oct 2021 - Apr 2022

- Enhanced UI Automation Suite, elevating pass rates from 40% to 75%.
- Integrated JPA and In-Memory Caching into microservices, boosting application stability by 5% and improving performance by up to 30%.

## SKILLS

AWS:	AWS S3, AWS EC2, Route 53, AWS SDK
Java:	Java 8 - 21, Virtual Threads, Thread Pool Executors, Reactive Programming
Spring Boot:	Spring Data JPA, Spring Security, jOOQ, Spring Reactive Web, JDBC
Tools and Framework:	Redis, Apache Kafka, SQL, PostgreSQL, Keycloak, Amazon Redshift, Amazon DynamoDB

## PROJECTS

### Mailing Service *Java 17, Spring Boot 3.x*

Founded and led AWS Cloud Community-LPU during college, creating an official mailing engine and registration system to enhance communication and event coordination, leveraging AWS cloud services, and achieving measurable community growth and engagement.



### Iron Hide *Java 21, Spring Boot 3.x, PostgreSQL, Virtual threads, Kafka*

Designed and developed a robust auditing service for seamless integration with Kafka and controllers. The service, implemented in Java 21 and powered by Spring Boot 3.x, leverages PostgreSQL for data storage. Virtual threads enhance performance and scalability.

