

# Shivam Mishra

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[Open to relocate across Canada]

## EDUCATION

**Concordia University, Canada** - Master in Applied Computer Science (GPA: 3.5/4.3) **01/22 – 08/23**  
**Mumbai University, India** - B.E. Computer Engineering (GPA: 3.9/4.3) **08/14 – 08/18**  
**Courses:** Advanced Programming Practices, Algorithm Design Techniques, Distributed System Design, Data Structures & Algorithms, Object Oriented Analysis & Design, Applied AI, Software Project Management.

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, C++, PL/SQL, SQL, HTML/CSS  
**Frameworks:** Spring Boot, React.js, Hibernate, Maven, Vue.js, Play, Oracle Forms, JUnit, Mockito, Selenium  
**Database:** Oracle( 11g, 12c & 19c), MySQL, PostgreSQL, MongoDB, Redis  
**DevOps & Developer Tools:** AWS Services, Jenkins, Git, SVN, Jira, Slack, Docker, Apache Kafka, IBM MQ, SonarQube, Splunk, Oracle JDeveloper, Oracle Reports  
**Certifications:** AWS Certified Solutions Architect – Associate([Link](#)), AWS Certified Cloud Practitioner([Link](#))

## EXPERIENCE

**Staff Consultant (SDE II) | Oracle Financial Services Software** **07/21 - 12/21**

- Mentored 3 software engineers, and worked together to create new products in a microservice architecture.
- Led a team of 4 to design and develop an upgrade on the payment messaging system for HDFC Bank India, Bahrain, and Hong Kong including technical and functional teams.
- Optimized SQL queries to fetch audit data, reducing the processing time by 40% in production.
- Engineered six specialized services to seamlessly integrate Apache Kafka into microservices architecture, facilitating a robust event-driven data flow and improving data processing speed by 20%.
- Conducted training sessions for a team of 30 to explain the design and development lifecycle of SWIFT messages in FLEXCUBE, including multi-threaded architecture, transaction management, code flow, and debugging.

**Associate Consultant (SDE I) | Oracle Financial Services Software** **09/18 - 06/21**

- Supported and developed Oracle's *FLEXCUBE* banking application using Spring, Java(J2EE), Python, PL/SQL, Shell scripting, JavaScript, Oracle database, Oracle Reports, and WebLogic.
- Collaborated with a team of 2 to develop the backend architecture of the SWIFT 2018 messaging system, meeting RBI guidelines and saving 4 million INR.
- Completed 12 development projects and resolved over 150 production issues across different modules like LC, LMS, FT, and IMS within challenging deadlines working onsite for client HDFC Bank.

## PROJECTS

**AWS RealTime data analytics | Python, Lambda, API Gateway, Quicksight, Glue, Athena, Kinesis stream ([Git](#))**

- Developed restful API using API Gateway and Lambda functions for streaming real-time IoT data.
- Implemented Kinesis streams and Firehose for data ingestion and delivery for scalability and reliability.
- Established schema with Glue catalog for integration with Amazon Athena, facilitating ETL and analysis.

**LifeLine | SpringBoot, Java, JavaScript, REST, MySQL, Hibernate, Maven, Vue.js, JUnit, Jira ([Git](#))**

- Worked with a team of 10 to develop a web application to help medical staff faster access the medical system.
- Designed the database schema for the project using Diagrams.net including tables, relationships, indexes, views, and constraints, and implemented in MySQL.
- Developed 7 REST APIs to process user data and collaborated with the front-end team to integrate into the application layer built using vue.js.

**FindPath | Java, Algorithm Design ([Git](#))**

- Innovated algorithmic design to identify optimal corridor orientations in hospitals, enhancing safety protocols by effectively segregating COVID and non-COVID patient flows.
- Performed case study on Victoria Hospital Montreal and increased the efficiency by 28% by updating the orientations of paths and better isolation for COVID patients.