Amruta Mishra

7165209873 | amrutamishra15@gmail.com | [Amruta LinkedIn](#) | [Amruta GitHub](#)

EDUCATION

Master of Science, Computer Science Aug 2023 − Dec 2024

University at Buffalo *GPA − 3.63/4.00*

- Relevant Coursework: Algorithms Analysis & Design, Computer Security, Data Intensive Computing, Machine Learning, Computer Architecture, Modern Networking, Operating Systems, Management of IT Projects, Database Systems.

TECHNICAL SKILLS

Languages & Frameworks: Java, Spring Boot, REST API, Python, C/C++, SQL, MySQL*,* HTML/CSS, Bootstrap, JavaScript, TypeScript, Angular, Hibernate/JPA, PHP, Kafka, PyTorch, NumPy, pandas, TensorFlow, Hadoop, Maven, Highcharts/D3.

Software: Eclipse, VS Code, IntelliJ, WordPress, GitHub, CI/CD, Docker, Kubernetes, Jenkins, App Engine, Figma, Jira, Confluence, DB2, Linux, Oracle, Google Analytics, AWS S3, Splunk, SonarQube, ServiceNow, Spark, GCP, JSON/XML.

Additional Skills: SDLC, Debugging, Object-Oriented Design, Data Structures, Junit, Jasmin & karma.

WORK EXPERIENCE

SelectFI Buffalo, NY

Full Stack Intern May 2024 − Aug 2024

- Revamped payment estimates applications for 40+ dealership sites, improving user engagement and reducing user navigation time by 20%, utilizing skills in **JavaScript, PHP**.
- Engineered a **predictive screen** for payment plans **using Python and JavaScript**, increasing conversion rates by 15%.
- Implemented **leasing options in a payment calculator app**, leading to a 30% rise in customer satisfaction.

Bank of New York and Mellon Pune, Maharashtra

Senior Associate − Full Stack Developer Jul 2021 − Jul 2023

- Created **automated alerting service** for setup expiration alerts, reducing manual oversight by 80%.
- Developed a **Spring Boot** web service with complex event workflow and 2nd level approval process in 3 weeks.
- Led development and testing of 10+ web applications using **Java, REST API, and Spring Boot** following **Agile** methodologies.
- Managed end-to-end development of 2 large-scale enterprise web applications serving over 10,000+ users.
- Spearheaded **SWIFT MT to MX** conversion, enabling compliance and 30% more transaction formats.
- Initiated design and implemented 5 microservices, leveraging **Kafka** for efficient data streaming.

Bank of New York and Mellon Pune, Maharashtra

Associate − Full Stack Developer Jul 2018 − Jun 2021

- Optimized **SQL** queries and code, reducing report delivery turnaround time by 60% and resolved a **P2 production incident**, ensuring minimal business impact.
- Deployed 10+ applications leveraging **Docker**, **App Engine, & Kubernetes** streamlining **CI/CD pipelines** for efficient releases.
- Leveraged **AWS S3** to design a bulk upload feature for seamless file storage, processing, and automated archiving, enhancing data management and scalability.
- Enhanced reporting application by creating 20+ reports using **Spring Batch** and **Jasper** templates.
- Migrated 5 **AngularJS** applications to **Angular** for improved performance and maintainability.
- Maintained and improved a legacy **Java, Spring MVC** application, reducing bugs by 40%.
- Built multiple **analytical dashboard/widgets** using **Highcharts**, boosting data readability and decision-making.

PROJECTS

Text - Chat Application: C++, TCP Socket programming Jan 2024 − Apr 2024

- Engineered a client-server chat system supporting 4 concurrent clients, with secure user login, efficient IP/port management, and seamless message exchanges, ensuring high reliability through robust error handling.

Job Prediction Application: Python, Flask, Machine Learning Aug 2023 − Dec 2023

- Designed a job market analysis app leveraging ML models to predict job availability trends, remote job distribution, salary insights, and providing detailed analytical insights into the evolving labor market.