

SNEHA HOLEHONNUR SRIDHAR

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EDUCATION

University of Massachusetts, North Dartmouth, MA

Aug 2023 – Dec 2024(Expected)

Master of Computer Science – 4 GPA

- Cyber Secure Computing & Big Data Club Member.
- Relevant Coursework – Paradigmatic Software Development, Database Design, Algorithms and Complexity, Advanced Machine Learning, Theoretical Computer Science, Data visualization.

Visvesvaraya Technological University, Karnataka, India

Aug 2018 – July 2022

Bachelor of Computer Science and Engineering – 3.8 GPA

- Open-Source Lab – Club Member
- Inter College Best Project – 3rd Position (Career-Guidance System using ML)
- Relevant Coursework – Data Structures & Algorithms, Big Data Analytics, Machine Learning, DBMS.

SKILLS

Languages: Java, Python, C, C++, JavaScript, SQL.

Frameworks/Libraries: Spring-boot, Spring-Cloud, Resilience4j, HTML, CSS, Bootstrap, Angular JS, d3JS.

Machine Learning: NumPy, Pandas, TensorFlow, PyTorch, Matplotlib, SciPy, Scikit-learn.

Database Systems: MySQL, SQL Server with JSON, PostgreSQL, MongoDB, MariaDB, DBeaver.

Architecture Patterns: Microservices, Event-Driven, MVC, Layered, Client-Server.

Other Tools: Jira, Git, Gerrit, Bitbucket, Jenkins, Docker, K8s, Keycloak, Swagger, API Gateway.

EXPERIENCE

Intradiem Inc

Software Development Intern

May 2024 – Present

- Refactored legacy code and implemented routing logic to optimize microservices communication using Spring Boot, achieving a 30% improvement in response time.
- Updated Swagger Documentation for integration of new endpoints within the existing APIs.
- Resolved 95% of critical bugs, implemented missing functionalities, and wrote detailed debug logs reducing bug resolution time.

Clarivate Analytics

Associate Software Engineer

June 2022 – Aug 2023

- Worked as a backend developer using Spring Boot and MySQL Server, specializing in JSON data handling and Web API development. Wrote efficient SQL queries and unit tests (Junits) to attain high code coverage.
- Updated legacy codebase to modern development standards, improving functionality.
- Managed production support on a sprint-based schedule, addressing high-priority production issues.
- Handled product updates for Cortellis, primarily involving the modification of web modules to ensure the timely updating of accurate information and registration links on a weekly basis.
- Skilled in developing and implementing secure shell scripts for executing complex Linux operations and seamlessly integrating with AWS services. Demonstrated expertise in managing EC2 instances for application servers, leveraging RDS for database hosting, and efficiently monitoring and managing logs using AWS CloudWatch.

Runshaw Technologies Pvt Ltd

Software Engineer Intern

Sep – Oct 2021

- Used front-end development tools, to actively contribute to the Covid-19 Management System. Designed and implemented secure login pages with regular expressions to validate usernames and passwords.
- Utilized JDBC for writing queries and extended JPA for advanced query processing.
- Deployed code to the development environment using Jenkins and tested endpoints in Postman.

PROJECT WORK

E-Commerce Application– Spring-Boot, Spring-Cloud, Microservices, Docker, MongoDB, SQL

May - June 2024

- Developed 3 microservices (Product, Order, Inventory), containerized them with Docker, and established REST client communication between them.
- Configured an API Gateway as the entry point for external clients and secured it with Keycloak for authorization.
- Documented REST APIs using Springdoc Open API and Swagger and implemented Circuit Breaker using Resilience4j to enhance reliability by managing calls to unavailable services.

Bank Customer Churn Prediction– Python, Machine Learning Models

Nov-Dec 2023

- Developed a Bank Customer Churn Prediction model utilizing 6 Machine Learning algorithms achieving 91% accuracy with the Random Forest Algorithm.
- The aim was to predict whether a customer would stay with or leave the bank based on factors like Credit Score, Active Membership status, Number of Products, among others.

Food-Application– Angular JS, Spring Boot, Bootstrap, and SQL

Aug 2022

- Developed a Food-Application with separate portals for managers and staff to streamline food ordering, menu creation, and order management within the company, enhancing overall efficiency.
- Enhanced the order confirmation using JavaMailSender, helping staff to quickly email customers with order details.