SHOPHINE SIVARAJA

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EDUCATION

UNIVERSITY OF GEORGIA, **Master of Science in Computer Science**   August 2019 – May 2021
Coursework: Data Science Practicum, Algorithms, Computer Networks, Software Security Cyber Forensics, Cloud Computing   GPA: 3.94 / 4.0
ANNA UNIVERSITY, COLLEGE OF ENGINEERING GUINDY, **Bachelor of Engineering in Computer Science**   August 2015 – April 2019
Coursework: Data Structures, Algorithms, Machine Learning, Security, Networks, Operating System, Software Engineering   GPA: 3.74 / 4.0

PROFESSIONAL EXPERIENCE

CRST EXPEDITED   Atlanta, GA
Software Engineer II   June 2021 – Present
- **Migrated** a monolithic system to **end-end microservices** with RESTful APIs using Spring Boot.
- Extensively worked on writing APIs, converting queries from JDBC implementation to **Spring Data JPA** to **eliminate boiler plate codes**.
- **Optimized** the app components to improve the system performance by **30%**. Worked on microservice's **CI/CD pipelines** and **Groovy scripts**.
- Working on **writing queries**, configuring **CDC** for tables and enabling **pipelines** (SQL Server Agent) for data transfer.
- Designed and developed a **production-ready** features and modules for agent's portal in **AngularJS**.
- Implemented state management in **NgRx**, **lazy loading**, routing & caching mechanism for the angular application.
- **Mentoring** a team of three intern developers and **leading** a module in the project.
  Technologies Used: Spring Boot | Spring MVC | Angular JS | NgRx | SQL | Docker | Jenkins | SonarQube | Redis

UNIVERSITY OF GEORGIA   Athens, GA
Software Developer (Research Assistant)   February 2020 – May 2021
- **Developed and designed** a user-friendly website in Jekyll by creating layouts, writing methods in Ruby to generate content from data files.
- **Configured the CI/CD pipelines for automated** deployments.
- **Worked with a team of three**, writing REST APIs in Spring boot and Aspect Oriented Programming with Spring (Spring AOP).
- **Strategized** and **improved** the process of generating reports with an enhanced dashboard and reduced the researcher's workload by **40%**.
  Technologies Used: Node.js | MVC | AWS | Jekyll | Python | Spring boot | AOP | MySQL | Git

SOFTLOGIC INFOSYSTEMS PRIVATE LIMITED   Chennai, India
Java Developer Intern   April 2017 – May 2017
- **Developed an android application** in JAVA for the eLearning system and **integrated** it with backend services by REST API.
- **Implemented** the UI design for the coursework module for premium users in an eLearning system.
  Technologies Used: JAVA | Android | MySQL | NodeJS | REST | Git

PROJECT EXPERIENCE

Ethical Facial Recognition   February 2021 – March 2021
- Developed an algorithm that predicts the gender from a large-scale dataset. The neural network model was built in Keras with Spark distributed environment to **achieve 90% accuracy.**
  Technologies Used: Python | Spark | TensorFlow | Keras | Google Cloud | Distributed Systems | Git

Online Movie Booking Application   October 2020 – December 2020
- Built a website for movie booking application and **developed end-end architecture** in **Spring Boot MVC** pattern.
  Technologies Used: Spring Boot | Spring Data | Spring JPA | JSP | Hibernate | JAVA | MVC | AJAX | JavaScript | Git

Estimating end-end performance of Google Cloud Serverless Function   September 2020 – November 2020
- Worked on **performance analysis of APIs in Google Serverless Function** to provide performance factors in Service Level Agreements.
  Technologies Used: Google Cloud | NodeJS | Express | API | REST | Git

HTTP Downloading with Range Requests   August 2019 – September 2019
- Implemented a **JAVA Multithreaded application** that requests an object in various range via HTTP calls, reconstructed it back to the original object, and verified the correctness using SHA256 checksum.
  Technologies Used: JAVA | API | Git

Unobtrusive Authentication of smartphone users by context-aware behavioral biometrics   January 2019 – April 2019
- **Created an android app** to build a multi-modal (Gait, Geospatial) behavioral biometrics and used location-based data modeling using Geofence to **improve the accuracy of the system to 95%**. Implemented Access Level Service Provider based on the outcome of the model.
  Technologies Used: JAVA | Android | NodeJS | Express | R | Git

TECHNICAL SKILLS

Programming Languages: JAVA, JavaScript, C, C++, SQL, PHP, Python, Ruby
Databases: MySQL, MongoDB, Postgres SQL, SQLite
Frameworks: Spring Boot, AngularJS, NgRx, NodeJS, MVC, Express, Firebase, React, Jekyll, Dask, Spark
Tools & Services: Git, Jenkins, JUnit, Amazon Web Services, Docker, Redis, Apache Kafka, SonarQube, TensorFlow, Keras, Scikit-learn