

Sreeram Bangaru

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EDUCATION

George Mason University

Master of Science in Computer Science

Fairfax, VA

Jan. 2023 – Dec 2024

Jawaharlal Nehru Technological University

Bachelor of Technology in Computer Science Engineering

Hyderabad, India

July. 2016 – Oct 2020

TECHNICAL SKILLS

Programming Skills and Languages: Java, Python, JavaScript, C/C++, SQL, HTML/CSS, TypeScript, Bootstrap

Web Frameworks: Spring Boot, log4j, Java Beans, Hibernate, JDBC, Flask, Angular, React, Node.js, JSF, Maven

Technologies: AWS, Machine Learning, Microservices, CI/CD, REST APIs, NoSQL, PostgreSQL, Kafka, OpenShift

Tools and Utilities: Git, Linux, JIRA, Jenkins, Docker, Adobe Premier Pro, Tableau, Kubernetes, Postman, Tomcat

EXPERIENCE

Graduate Research Assistant

George Mason University - School of Business

Aug 2023 – Dec 2024

Fairfax, VA

- Orchestrated the implementation of web scraping and ML models for data analysis, leading to a 15% boost in predictive modeling accuracy, and a 25% improvement in customer targeting precision.
- Streamlined data management and accuracy by implementing sophisticated **SQL** queries and **MS Excel** formulae, leading to 60% improvements in data integrity and process efficiency.

Full Stack Developer

Digital Bank of Singapore (DBS Tech India)

Oct. 2020 – Dec 2022

Hyderabad, India

- Engineered and led the deployment of the Cross Border Payments Regulation application using **Angular**, **Spring Boot**, and **JPA**, enhancing transaction security and processing millions of international transactions. Innovated microservices for system scalability and performance and drove **UI/UX** improvements.
- Championed team leadership and project management through daily **Scrum (Agile)** meetings, ensuring alignment with client specifications and deadlines through effective feedback loops. Mentored a new team of 6 members, enhancing team capabilities and knowledge sharing.
- Implemented a highly scalable **AWS EKS** solution, ensuring robust performance and reliability.
- Used Spring Boot Batch for triggering jobs written in **Shell/Bash** Scripting in a Production environment.

PROJECTS

Connect | React, Node.js, Google Translation

Oct 2023 – Oct-2023

- Architected a campus navigation web application using **React** and **Node.js**, integrating Google Translation for video note summaries and employing regression analysis to predict restaurant product wastage, reducing costs by 15% in campus dining.

Auditing for Bias | ML, Bias Analysis, Python

Feb 2023 – May 2023

- Led a comprehensive study on the COMPAS dataset using **machine learning algorithms** for predicting criminal recidivism.
- Evaluated supervised learning models for bias analysis, emphasizing the trade-off in model fairness.

Secure Loan Service | Flask, React, MySQL

Feb 2023 – May 2023

- Developed a web app using **Flask** and **React** framework that informed over 1000 customers daily about loan approval status, utilizing **MySQL** for data analysis of customer details.
- Enhanced customer experience and operational efficiency by analyzing past customer data, leading to a 30% improvement in loan approval process accuracy.

AWARDS AND CERTIFICATIONS

- Awarded the first position for the best business idea and implementation during the university hackathon out of 80+ projects.
- Acknowledged with three SPOT and Super Techie awards for excellence in system development and maintenance
- Certified Oracle JAVA SE 8 Developer