

## EDUCATION

**UNIVERSITY OF SOUTH FLORIDA, Muma College of Business**

**Expected May 2025**

Master of Science in Business Analytics and Information Systems

**Coursework:** Distributed Information Systems, Machine Learning, DBMS, Advanced System Design, Cloud Engineering, Application Engineering and Development, Data Science Engineering Methods and Tools.

## SKILLS

**Programming Languages:** Java, Python, R

**Database:** PostgreSQL, MYSQL

**Data Visualization Tools:** Tableau, Power BI

**Development Tools:** Git, R studio, Jupyter notebook, Kubernetes, Terraform, GIT Lab

**Additional Skills:** Agile (Scrum), ETL, Linux, Jira, MS 365

**Certifications:** Azure DevOps Engineer Expect, Azure Administrator Associate, Azure Fundamentals

## EXPERIENCE

**Cognizant, Junior Software Engineer**

**Nov 2021 – Jul 2023**

- Architected and refined Java-based insurance applications using Spring Boot and Hibernate, achieving a 15% increase in system modularity and operational efficiency.
- Developed and seamlessly integrated ten RESTful APIs with third-party insurance systems, significantly enhancing data exchange and boosting system performance.
- Adoption of DevOps and Agile methodologies to facilitate CI/CD processes, resulting in a 40% reduction in production time through strategic use of GitLab.
- Collaborated with three senior architects to design and implement over 15 tailored technical solutions, effectively managing 20+ critical operational tasks and support requests, enhancing system reliability and responsiveness.
- Engineered and tested over 50 solutions, adhering strictly to defined acceptance criteria and compliance requirements, which led to a 10% decrease in software errors.
- Configured and maintained Kubernetes clusters to support a robust microservices architecture, ensuring optimal load balancing and high service availability.

**Skills:** Java, Spring Boot, Hibernate, Git Lab, Kubernetes

**Cognizant, Full Stack Engineering Intern**

**Feb 2021 – Jul 2021**

- Implemented and enhanced web applications using Angular and Java Spring Boot, integrating five RESTful APIs that supported 50,000 daily transactions, thereby improving backend response times by 20%.
- Enhanced UI design using Angular Material, increasing user satisfaction by 15%. Improved application reactivity and data management with Angular's RxJS and NgRx and created reusable components and directives.
- Collaborated with a team of six to manage over 800 code commits, ensuring continuous integration and high code quality.
- Boosted application security by implementing JWT for secure authentication and role-based authorization, enhancing data protection and user access control.

**Skills:** Java, Angular, JavaScript, Spring Boot, Git

## Projects

**Caravan Cover Connect: Precision Targeting for Insurance Marketing**

- Spearheaded the 'Caravan Cover Connect' initiative, leveraging predictive analytics to forecast caravan insurance purchase likelihood, utilizing a dataset with 86 customer features including demographics and policy data.
- Designed and executed data processing and model training pipelines using Python and R, achieving a 15% increase in recall rates to minimize false negatives in customer targeting.
- Conducted comprehensive data analysis and model evaluation, employing statistical tools and techniques to improve model accuracy by 25%, ensuring robust and reliable predictive outcomes. Marketing strategies can be optimized by implementing a machine learning model that efficiently allocated a limited budget, focusing on potential buyers to enhance ROI.

**Skills:** Python, R, Machine Learning classification Models, Data Cleaning

**Plant Management System**

- Architected and developed a scalable, secure ASP.NET MVC application, enhancing user interface with JavaScript, CSS, and HTML to boost site performance and user experience.
- Streamlined backend processes using C#, optimized data management with Entity Framework, achieving a 30% increase in processing efficiency.
- Implemented responsive, cross-browser compatible web designs, increasing response by 25% through Bootstrap and adaptive design techniques.

**Skills:** C#, ASP.NET MVC, JavaScript, CSS, HTML