

ARIVARASAN RAMASAMY

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Education

Master of Science in Business Analytics and Information Systems

Expected - Nov'23

University of South Florida, Tampa, FL

Relevant Courses Advanced Database Management Systems, Distributed Information Systems, Data Science Programming, Big Data, Project Management

Bachelor of Engineering in Electronics and Instrumentation Engineering

Jun'14

Anna University, India

Technical Skills

Programming Languages	Java, JavaScript, JQuery, Python, SQL, Shell scripting
Databases	MySQL, Cassandra, MongoDB, AWS
Statistical Tools	Tableau, JupyterLab, PySpark, Tensorflow

Work Experience

Research Assistant at University of South Florida

Jan'23 - Present

- Working with professors on a \$5.65 million [Cyber Florida grant-funded initiative](#) to develop the first state-wide cybersecurity training for Florida government leaders, encompassing exercises and comprehensive modules.
- Created Tableau visualizations on student academic and geographic metrics using the ETL process on university student data

Technical Lead at Google Developer Student Club

Jan'23 - Present

- Lead and drive e-board projects. Organized and presented 4 workshops and tech sessions for students on topics such as web development, machine learning, and shell scripting.

Zoho Corporation, India

Oct '15 - Jun'22

Full Stack Developer

- Developed and launched a web-based [RSS Reader app](#) that increased user engagement by 25% using JavaScript, Handlebars JS, Java, Jsoup, and MySQL
 - Integrated Facebook API version updates into [Zoho Social application](#), a social media management software.
 - Enabled multi-currency support for [Zoho Bigin](#), a CRM software, using Java, JavaScript, Lyte framework, and exchange rate APIs.
 - Led CRM module development for Zoho Social and Zoho Bigin, responsible for increasing customer satisfaction, debugging issues, future enhancements planning, and API integrations.
 - Boosted the usage of [the Collaborative module](#) by 50% with a redesigned template-based UI/UX design and an improved business logic codebase using Java.
 - Improved the reliability of the Zoho Social web app by adopting microservices architecture with REST API.
 - Served as Security Coordinator, fixing [bug bounty](#) issues and fostering secure development practices among the development team.
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Academic Projects

Telecom Churn Analysis - Data Mining Project

Nov'22

- Conducted Telecom Churn Analysis using Python (pandas, numpy, sklearn) on extensive datasets from the IBM forum, unveiling insights for informed decision-making.
- Developed optimized churn rate prediction model via Machine Learning algorithms, employing hyperparameter tuning and cross-validation for enhanced accuracy.

Student Activity Analyzer

May'23

- Created a dynamic Flask-based application, enabling real-time monitoring and analysis of student activity and health metrics. Delivered interactive visualizations and actionable suggestions to optimize time management.
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• [Certified in Cybersecurity by \(ISC\)²](#) • Certified Data Processing Specialist • Certified LabVIEW Associate Developer