ARIVARASAN RAMASAMY

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Full stack web developer with MS in Business Analytics and 6+ years of experience in building CRM application. Proficient in programming, databases, Data Science, and machine learning

Education

Master of Science in Business Analytics and Information Systems *GPA : 3.9/4* 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 *GPA : 7/10* Jun'14

Anna University, India

Work Experience

Research Assistant at University of South Florida Jan'23 - Present

- Work 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
- Create 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 - Aug'23

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

Full Stack Developer at Zoho Corporation Oct '15 - Jun'22

- 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

Technical Skills

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

Academic Projects

Telecom Churn Analysis - Data Mining

- 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

Stock Price Prediction - Recurrent Neural Networks

- Used Python and sklearn to process and analyze Yahoo finance data and predict stock prices with RNN, LSTM, GRU, and Conv1D models
- Compared the accuracy of different models with mean squared error, mean absolute and root mean squared error

• Certified in Cybersecurity by (ISC)² • University Champion in Athletics • Certified LabVIEW Associate Developer