

ARIVARASAN RAMASAMY

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Education

Master of Science in Business Analytics and Information Systems

Expected - Dec'23

University of South Florida, Tampa, FL

Relevant Courses Analytical Methods for Business, Data Mining, Data Science Programming, Big Data, Advanced Database Management Systems, Distributed Information Systems

Bachelor of Engineering in Electronics and Instrumentation Engineering

Jun'14

Anna University, India

Technical Skills

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

Academic Projects

Telecom Churn Analysis - Data Mining Project

- Using Python libraries such as pandas, numpy, and sklearn, performed data processing, and visualization on telecom datasets and also implemented a churn rate prediction model using various Machine Learning algorithms.
- With hyperparameter tuning, cross-validation, and confusion matrix to identify and select the best model.

Stock Price Prediction - Recurrent Neural Networks

- Conducted data transformations, data cleaning, preprocessing, and data analysis using Python and sklearn libraries on the Yahoo finance dataset.
- Performed RNN, LSTM, Gru, and Conv1D techniques to predict the next closing price of the stock

Image recognition - Convolutional Neural networks

- Used convolution and pooling techniques to reduce the input training image size
- Created a sequential layer model to train images and applied keras model tuning to improve model accuracy.

Student Activity Analyzer

- Developed a flask-based application featuring multiple tabs and dashboards to track student activity time and health data. It also provides visualizations and recommendations for effective time management.
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Work Experience

Graduate Assistant at University of South Florida

Jan'23 - May'23

- Assisting Professors in data preparation, analysis, and visualization for academic projects
- Skills: Tableau, Excel, problem-solving, data Preprocessing.

Technical Lead at Google Developer Student Club, University of South Florida

Jan'23 - Present

- Developed e-board projects, and organized and presented workshops and tech sessions for students.
- Skills: Java, JavaScript, HTML/CSS, MySQL, Tableau, ML Algorithms.

Zoho Corporation, Chennai, India

Oct '15 - Jun'22

Full Stack Developer

- Independently designed and implemented [RSS Reader](#) for [Zoho Social](#) using Jsoup, handlebars JS, and MySQL.
- Worked as a primary lead for various CRM modules of [Zoho Social](#) and [Zoho Bigin](#).
- Designed and implemented Multi-Currency support in [Zoho Bigin](#) – used Lyte framework to build dashboards and designed APIs from exchangeratesapi.io to process CRM currency data.
- Increased [Team Collaborative tool](#) usage by 50% by revamping the UI/UX design and replacing the codebase with template techniques and optimized business logic.
- Improved the Zoho Bigin web application reliability by refactoring it to microservices architecture.
- Security Coordinator in Zoho Social, responsible for resolving bug bounty issues, attending security events, and discussing improved security practices in development.