

VIKNESH RAJARAMON

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EDUCATION

Master of Science in Computer Science

Arizona State University, Tempe, AZ

Graduating May 2025

GPA: 3.56/4.0

Bachelor of Technology in Computer Science & Engineering

IIITDM Kancheepuram, Chennai, India

May 2022

GPA: 8.88/10.0

PROFESSIONAL EXPERIENCE

Software Engineer - *Factors.AI*

May 2022 - July 2023

- Built an optimized Salesforce Tasks and Events pipeline, leveraging Golang, Salesforce object queries and APIs for enhanced funnel analytics and reporting, reducing customer churn by 30%.
- Implemented solutions in Python to overcome data pull limits of Hubspot APIs, deploying newer API versions and eliminating data latency by 50%.
- Optimized algorithms and eliminated redundant database query calls, reducing response time for real-time marketing analytics by 25%.
- Leveraged and monitored GCP logs to identify and resolve issues in Salesforce and Hubspot data pull and enrichment pipelines

Data Analyst Intern - *IViewSense Private Limited*

May 2021 - October 2021

- Designed a strategic Business Intelligence report for a shipping logistics company leveraging Amazon QuickSight, improving the document processing efficiency by 30%.
- Extracted data from diverse sources into a unified BI report, providing actionable insights into key performance indicators (KPIs) and enhancing overall productivity by 45%.

TECHNICAL SKILLS

Languages: Python, Golang, C++, C, SQL, JSON, Machine Learning Algorithms

Tools and Technologies: Amazon QuickSight, Power BI, Git, Github, NumPy, Pandas, Matplotlib, Scikit-Learn, Keras, MySQL, PostgreSQL, GCP, Docker

PUBLICATIONS AND PROJECTS

Author - Multi-Start Iterated Local Search for the Bottleneck TSP, Conference

January 2022 - May 2022

- Designed and developed a meta-heuristic algorithm to solve the bottleneck traveling salesman problem, improving solution accuracy by 5% and 15% reduction in computation time when tested against large datasets.

Stock Price Forecasting, Academic Project

November 2021 - December 2021

- Trained a robust LSTM model to forecast stock prices, resulting in a model with mean squared error of 893.65.

Traffic Sign Classification, Academic Project

April 2021 – May 2021

- Trained a robust CNN model to classify traffic sign images with 94.37% accuracy, paving a way for building self-driving cars.

File Transfer System, Academic Project

October 2020 - November 2020

- Developed a multi-threaded file transfer system enabling seamless file transfers between systems connected through the same network using IP addresses.

Attendance Management System, Academic Project

May 2020 - August 2020

- Designed and developed a comprehensive portal for faculty and students, featuring individual accounts for attendance management.

CERTIFICATIONS

Data Analysis With Python; freeCodeCamp | **Python and Statistics for Financial Analysis;** The Hong Kong University of Science and Technology, Coursera | **Introduction to Data Science;** IBM, edX | **The Complete Python Bootcamp From Zero to Hero in Python;** Udemy

CO-CURRICULARS

- Lead Competitive Programming Core,** CS Club - IIITDM Kancheepuram September 2020 - May 2021
- Curriculum and Teaching Volunteer,** Vidhai - IIITDM Kancheepuram January 2020 - April 2021