VIKNESH RAJARAMON

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EDUCATION

Master of Science in Computer Science   **Graduating May 2025**
Arizona State University, Tempe, AZ   *GPA: 3.56/4.0*

Bachelor of Technology in Computer Science & Engineering   **May 2022**
IIITDM Kancheepuram, Chennai, India   *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 Quick-Sight, 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 Algoritmns
Tools and Technologies: Amazon QuickSight, Power BI, PostgreSQL, MySQL, GCP, Docker, Git, Github, NumPy, Pandas, Matplotlib, Keras, Scikit-Learn

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

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

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