

Kirtana Sridharan

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EDUCATION

Master of Science in Computer Science, Stevens Institute of Technology - GPA: 3.89

May 2024

Bachelor of Engineering in Information Science, Visvesvaraya Technological University

July 2022

SKILLS

Programming Languages - Python, SQL, R

Data Analytics - Pandas, Numpy, scikit-learn(ML), Plotly, PowerBI, Tableau, Microsoft Excel

Tools and Technologies - Git, AWS, Jupyter Notebook, Machine Learning, Data Visualisation, Agile

PROJECTS

Project Solar

March 2023 - May 2023

- Led the front-end development of the project management portal, utilizing agile methodologies for enhanced collaboration, achieving a 90% reduction in post-launch bugs and significantly improving user experience.

LUNA – Lung Nodule Analysis

May 2022 – Jun 2022

- Developed a custom CNN model to detect and classify tumors, achieving an accuracy rate of 83.29%.
- Implemented a modified U-net model for accurate segmentation, resulting in an accuracy rate of 66.20%.
- Recognized with the Best Project award in the Computer Vision domain by the department of Information Science.

Twitter Airline Reviews Sentiment Analysis

May 2020 - May 2020

- Developed and implemented a shallow neural network to perform sentiment analysis on Twitter Airline Reviews for 10 leading US airlines.
- Achieved accuracy of the model was 86%, enabling the identification of areas of improvement for customer service, leading to enhanced brand perception and increased customer satisfaction.

Occupancy Detection

March 2020-March 2020

- Developed predictive models to determine the occupation of an office room based on environmental factors.
- Applied logistic regression and neural networks to achieve 95-98% accuracy in predicting office room occupation, optimizing resource use and enhancing organizational efficiency.

EXPERIENCE

Research Intern, IIT Chennai, India

Aug 2023 - Jan 2024

- Spearheaded a project titled "Enhancing Scalability of Recommender Systems using LTH and Knowledge Distillation", achieving a 32.08% accuracy boost and notable reductions in GPU power consumption (up to 66.67%).
- Focused on optimizing performance, successfully minimizing latency and computation time without compromising on essential metrics.

Programmer Analyst Intern, Cognizant, Bengaluru, India

March 2022 - Jun 2022

- Actively engaged in a comprehensive learning program focused on AWS and Spark technologies.
- Acquired practical knowledge and skills through in-depth training sessions.

ML Intern, NASTECH, Bengaluru, India

Oct 2021 - Nov 2021

- Completed comprehensive training in Microsoft Azure cloud computing services, acquiring practical expertise in cloud-based solutions.
- Utilized deep learning and image processing techniques to develop a real-time face mask detection system and achieved an accuracy of 92%.

CERTIFICATIONS

- Alteryx Designer Core Micro-Credential: General Knowledge

Feb 2024

- AWS Cloud Quest: Cloud Practitioner- Badge

July 2023

- Machine Learning Foundations Accelerator, Speckbit Academy, Bangalore

May 2020

- PostgreSQL Summary Stats and Window Functions, DataCamp

Jan 2024