KIRTANA SRIDHARAN

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EDUCATION

Stevens Institute of Technology   Hoboken, NJ
Master of Science, Computer Science, GPA: 3.9   September 2022 - May 2024
Relevant Courses: Agile Methodologies of Software Development, Database Management System, Data Visualization Applications, Mathematical Foundations of Machine Learning, Human Computer Interaction

Visvesvaraya Technological University   Bangalore, India
Bachelor of Engineering, Information Science & Engineering   August 2018 - July 2022

SKILLS

Programming Languages: Python, R, JavaScript, C++, SQL
Web Technologies: HTML, CSS, NodeJS, ReactJS
Databases: MySQL, PostgreSQL, MongoDB
Tools & Platforms: AWS, Git, Tableau, Alteryx, Excel, Keras, PyTorch, Tensorflow, NumPy, Pandas, Matplotlib
Software Development & Project Management: Agile, Software Testing, ETL, JIRA
Certification: Alteryx Designer Core Certified, AWS Cloud Quest: Cloud Practitioner Badge

EXPERIENCE

Indian Institute of Technology   Chennai, India
Data Science Research Intern   August 2023 - January 2024
- Spearheaded the optimization of GPU power consumption in large-scale data environments, achieving a 66.67% reduction.
- Enhanced recommendation accuracy by **32.08%** through advanced neural network pruning and deployment techniques.
- Administered meticulous **data curation and preprocessing** to ensure model accuracy and efficiency.

Cognizant   Bangalore, India
Programmer Analyst Intern   March 2022 - June 2022
- Developed and deployed **data integration pipelines** using **AWS** services, improving data processing efficiency by **20%**.
- Gained practical experience in AWS, including connecting and working with Amazon S3 and RDS services.

Global Trade Links   Bangalore, India
Data Analyst   November 2021 – March 2022
- Analyzed sales data, customer behavior, and market trends to optimize product offerings and sales strategies, resulting in a **15%** increase in overall sales revenue.
- Utilized **Excel and Python**, and statistical modeling to perform data analysis, identifying cost-saving opportunities that reduced operational expenses by **10%**.
- Collaborated with **cross-functional teams** to streamline inventory management processes, leading to a **20%** improvement in inventory turnover rate.

NASTECH   Bangalore, India
Machine Learning Intern   October 2021 - November 2021
- Utilized deep learning and image processing techniques to develop a real-time face mask detection system and achieved an accuracy of **92%**.
- Completed comprehensive training in Microsoft Azure, acquiring practical expertise in cloud-based solutions.

PROJECTS

IFC Investment Services Projects Analysis, Stevens Institute of Technology   November 2023 – November 2023
- Applied K-Means Clustering and ARIMA modeling to **forecast trends** in IFC investment data, enhancing predictive analytics skills.
- Conducted comprehensive data cleaning and exploratory analysis in **R** and **Excel** to ensure data accuracy and assessed financial metrics to optimize investment strategies.

Project Solar, Stevens Institute of Technology   March 2023 - May 2023
- Managed the development of a solar project management portal using HTML5, CSS, EJS, Node.js, and MongoDB, defining project scope, goals, and deliverables.
- Led front-end development utilizing **agile methodologie**s, enhancing cross-functional collaboration and achieving a **90% reduction** in post-launch bugs.
- Utilized **CI/CD** practices to streamline development and deployment processes, ensuring rapid iteration and bug fixes post-launch.
- Developed **user stories** to capture client requirements and ensure seamless development and testing cycles.

LEADERSHIP EXPERIENCE

Graduate Peer Leader, Stevens Institute of Technology   August 2023 – May 2024
- Mentored and provided academic and personal support to over **50** graduate students, enhancing their overall educational experience.
- Collaborated with the Graduate Student Office staff to organize and execute events, and orientation programs.

Charter Member & Event Co-chair, Rotaract Club of Bangalore Midtown   November 2021
- Co-led the event "Orange the Globe: End Violence Against Women" to raise awareness and promote action against gender-based violence.