

Kishan Ramesh

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Summary

Detail-oriented Data Analyst with a strong foundation in data science, machine learning, and statistical modeling. Holds a Master's in Data Analytics from The George Washington University with hands-on experience in Python, SQL, Power BI, and big data tools. Proven success in building data-driven solutions, automating workflows, and generating actionable insights through real-world projects and internships. Adept at communicating technical findings to non-technical stakeholders and passionate about turning complex data into strategic decisions.

EDUCATION

The George Washington University, School of Engineering & Applied Science

Aug 2023 - May 2025

Master of Science, Data Analytics

Washington DC, USA

- **GPA:** 3.87 / 4.0
- **Coursework:** Big Data Analytics, Advanced Database Management, Computer Vision, Machine Learning, Statistical Analysis and Modeling, Data Compression, Natural Language Understanding

Sri Ramachandra Faculty of Engineering & Technology

Aug 2019 - Jun 2023

Bachelor of Technology, Computer Science Engineering

Chennai, India

- **GPA:** 3.49 / 4.0
- **Coursework:** Data Structures & Algorithms, Probability and Statistics for ML, Natural Language Processing, Reinforcement learning, Business Analytics, Data Mining, Cloud Computing

TECHNICAL SKILLS

- **Programming Languages:** C, Python, R, Java, JavaScript, HTML, CSS, SQL, NoSQL, Firebase, Node.js, React.js
- **Technologies:** Jupyter Notebooks, R Studio, AWS, Tableau, PowerBI, MATLAB, Postgres, MongoDB, Arango DB

RELEVANT WORK EXPERIENCE

Springer Capital

Oct 2024 - Dec 2024

Data Automation Intern

Washington DC, USA

- Performed data collection, management, and analysis with Python and SQL to extract insights, ensuring data accuracy and accessibility for decision-making
- Developed automated workflows and interactive visualizations with Microsoft Power Automate and Power BI, improving operational efficiency and reporting processes

ICET

Apr 2023 - Jun 2023

ML Engineer Intern

Chennai, India

- Headed a team of 2 to implement a machine learning pipeline to provide valuable insights and tools for businesses to optimize supply chain operations and enhance customer satisfaction.
- Devised an advanced neural network model integrating MCDM techniques to predict electricity demand and supply chain disruptions, attaining an f1 score of 0.96, surpassing all other machine learning classifiers.

ICET

Feb 2023 - Apr 2023

Data Engineer Intern

Chennai, India

- Coordinated in a project team of 4 to develop a system that automates the process of filtering and recommending research papers based on keyword extraction in Natural Language Processing (NLP).
- Implemented the YANK model using the Text Rank algorithm, achieving improved similarity scores between extracted keywords and paper content, which enhanced the accuracy of keyword extraction

TECHNICAL PROJECTS

Machine Learning, ASL sign Detection

Feb 2024 - May 2024

- Lead a team of 3 on a project to develop a ASL (American Sign Language) recognition system leveraging machine learning techniques address communication breakdowns between ASL users and non-users.
- Achieved 95.47% accuracy in classifying 36 ASL hand gesture categories operating a VGG16 model, outperforming ResNet50 and a custom CNN classifier.

Big Data Analytics, Smart Waste Management

Sep 2023 - Dec 2023

U.S.

- Partnered with a team of four on a project aimed at enhancing waste management and sorting mechanisms in the U.S. using Big Data pipelines and Machine Learning.
- Utilized big data analytics principles and technologies to process large sensor datasets, deriving insights and visualizing trends in Tableau, resulting in improved decision-making; achieved 82.54% accuracy in waste classification using the MobileNetv2 model.

Computer Vision, Facial Emotion Detection

Sep 2022 - Nov 2022

- Created a Convolutional Neural Network (CNN) with 9 hidden layers for classifying human facial emotions using 3500 image datasets of 7 different emotions
- Attained highest accuracy of approximately 73% in emotion classification deploying CNN Model, employed Adam optimizer, convolutional layers, max pooling, and batch normalization

CERTIFICATIONS

- **Predictive Analytics Essential Training and Data Mining:** LinkedIn Learning
- **AWS Academy Machine Learning Foundations:** AWS Academy Graduate
- **Complete Firebase Database for Android with Real App:** Udemy E-Learning
- **R programming Language Introduction online course:** Udemy E-Learning