Ajaychary Kandukuri

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SUMMARY

Results-oriented data professional with a strong foundation in **statistical analysis, machine learning, and cloud-based data infrastructure**. Skilled in **Python, SQL, R**, and modern tools like **Tableau, Spark, and Airflow to design pipelines, automate workflows, and deliver data-driven insights**. Proven ability to transform raw data into scalable, impactful solutions across diverse business needs

EDUCATION

Kent State University, Masters in Data Science — May 2025
- GPA: 3.67/4.0

Vel Tech University, Bachelor of Technology — May 2023
- GPA: 3.44/4.0

TECHNICAL SKILLS AND TOOLS

Languages: Python, R, SQL, JavaScript, Go, Shell, HTML/CSS.

Tools: Power BI, Tableau, Spark, Airflow, Kafka, Hadoop, Git, Jupyter, AWS, GCP, PostgreSQL, MySQL, MongoDB.

Core Skills: EDA, Data Visualization (D3.js), Machine Learning, Deep Learning, Predictive Modeling, A/B Testing, ETL, Data Warehousing, Data Pipelines, Cloud Engineering, Model Evaluation, SQL Optimization, CI/CD..

EXPERIENCE

Website Developer, Infinity Connects Media – Visakhapatnam, India — Jan 2023 – Apr 2023

- Developed a **responsive full-stack website** for an interior design company using **HTML, CSS and JavaScript**.
- Ensured consistent layout and information accessibility across all screen sizes to enhance user experience.
- Delivered a production-ready web application optimized for performance and cross-device compatibility.

PROJECTS

Fake news detection | Python, NLP

- Built a machine learning model using **TF-IDF and classifiers like SVM and Random Forest** to detect fake news. Improved model performance through effective preprocessing and feature engineering.

Car Seat Sales Prediction | R Programming

- Applied regression models including **LASSO and Random Forest** to forecast sales using the Carseats dataset. Identified **Random Forest** as the most accurate model, aiding data-driven retail decisions.

Brain Tumor Diagnosis |Deep Learning, Python

- Developed a deep learning model using **CNN, ResNet50, U-Net, and VGG19** to detect brain tumors from MRI scans, achieving **99.65%** classification accuracy.
- Streamlined preprocessing and model training pipelines, enabling scalable and automated medical image classification.

Interactive Car Data Dashboard | D3.js, JavaScript — **Dashboard**

- Built a data visualization dashboard with **D3.js** featuring **parallel coordinates, scatter plot, line & bar chart.**
- Enabled interactions like **brushing, zooming, and tooltips** with fully coordinated views.
- Deployed the dashboard via GitHub Pages for real-time web-based data exploration.

CERTIFICATIONS

CCNA Introduction to Networks (CISCO)

AWS Machine Learning Foundations

IBM Machine Learning with Python, Foundations of UX Design, VMware NSX Networking (Coursera)