

# Ajaychary Kandukuri

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## SUMMARY

Data Science graduate with strong expertise in **Python, machine learning, statistical analysis, data visualization and data analysis**. Proven ability to build **predictive models, develop full-stack data applications, and derive actionable insights**. Adept at working with cross-functional teams to solve real-world business problems using data. Seeking to contribute to data-driven organizations in analytical or engineering roles.

## EDUCATION

<b>Kent State University</b> , Masters in Data Science	May 2025
• GPA: 3.67/4.0	
<b>Vel Tech University</b> , 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

<b>Website Developer</b> , Infinity Connects Media – Visakhapatnam, India	Jan 2023 – Apr 2023
<ul style="list-style-type: none"><li>– Developed a <b>responsive full-stack website</b> for an interior design company using <b>HTML, CSS and JavaScript</b>.</li><li>– Ensured consistent layout and information accessibility across all screen sizes to enhance user experience.</li><li>– Delivered a production-ready web application optimized for performance and cross-device compatibility.</li></ul>	

## 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)