

# Ajaychary Kandukuri

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## SUMMARY

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Versatile data professional with hands-on experience in **real-time data pipelines, machine learning, and analytics**. Proficient in **Python, SQL, Spark, and cloud platforms (AWS, GCP)**, with expertise in tools like **Airflow and Kafka**. Skilled at transforming raw data into actionable insights, predictive models, and scalable solutions that drive business impact.

## EDUCATION

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<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

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

**Tools & Platforms:** Spark, Kafka, Airflow, Hadoop, Docker, Git, Jupyter, Tableau, Power BI, AWS, GCP, Snowflake, PostgreSQL, MySQL, MongoDB

**Core Skills:** EDA, Data Cleaning, Data Modeling, ETL, Streaming Data, Machine Learning, Deep Learning, NLP, Predictive Analytics, A/B Testing, Data Visualization, Model Evaluation, SQL Optimization, Cloud Engineering.

## EXPERIENCE

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<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

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### Real-Time Product Clickstream Analytics | Kafka, Spark, Airflow, Flask, Tableau

- Developed a real-time data pipeline to track and analyze product clicks using **Kafka & Spark** Structured Streaming.
- Automated streaming workflows with **Apache Airflow** and stored output in **Parquet/CSV format**.
- Built interactive dashboards using **Flask (Plotly)** and **Tableau** for live product trend insights.

### Brain Tumor Diagnosis | Deep Learning, Python

- Built supervised deep learning models (**CNN, ResNet50, U-Net**) for MRI classification with **99.65%** accuracy using cross-validation and hyperparameter tuning.
- Automated preprocessing and training pipelines for scalable medical image analysis.

### 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

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CCNA Introduction to Networks (CISCO)

AWS Machine Learning Foundations

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