Ajaychary Kandukuri

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SUMMARY

Data Analyst with hands-on experience in survival analysis, risk modeling, and real-world data analytics. Proficient in R, Python, SQL, and SAS, with strengths in statistical programming, time-to-event modeling, psychometric methods, and outcome-focused reporting. Skilled at building data pipelines and delivering insights through dashboards and technical documentation.

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

Core Skills: EDA, Data Cleaning, Modeling, ETL, Streaming Data, Survival Analysis (KM, Cox), Logistic Regression, Lasso, ANOVA, Psychometrics (IRT, Factor Analysis), Machine Learning, Deep Learning (CNN, U-Net), Predictive Analytics, A/B Testing, Visualization, Model Evaluation, SQL Optimization, Healthcare Analytics, Cloud & Trial Data Engineering

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

Clinlytix360 – Clinical Outcomes & Survival Analytics Platform |Python, R,SQL, KM, Cox, Logistic Regression
- Built an end-to-end platform to simulate **clinical trial data and model patient outcomes**.
- Applied **Kaplan-Meier, Cox, and logistic regression** for survival and risk analysis.
- Delivered interactive cohort-level insights through dashboards using Streamlit.

Real-Time Product Clickstream Analytics | Kafka, Spark, Airflow, Flask, Tableau
- Built a real-time pipeline using **Kafka** and **Spark Structured Streaming** to process product click data.
- Orchestrated workflows with **Airflow** and stored structured output in **Parquet/CSV**.
- Developed interactive dashboards using **Flask (Plotly)** and **Tableau** to track live product trends.

ProcureCast360 – Predictive Spend & Supplier Risk Pipeline |Python, Prophet, Power BI
- Processed **SAP-style procurement data** and engineered features like delivery delays and PO volatility
- Built forecasting models using **Prophet** and applied **Isolation Forest** for vendor risk scoring.
- Delivered insights through an interactive **Streamlit app** and executive dashboards in **Power BI**.

CERTIFICATIONS

CCNA Introduction to Networks (CISCO)
AWS Machine Learning Foundations
IBM Machine Learning with Python, Foundations of UX Design, VMware NSX Networking (Coursera)