

KUNDANA CHOWDARY CHERUKURI

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<https://github.com/Kundanachowdary>

EDUCATION

The George Washington University

Washington D.C

Master of Science, Data Science

May 2025

- **GPA:** 3.89
- **Coursework:** Intro to Data Science, Intro to Data Mining, Data Warehousing, Intro to Data visualization, Machine learning, Cloud Computing, Ethics for Data Science, Linux for Devops, Algorithm Design Analysis

K L University

Andhra Pradesh, India

Bachelors, computer science and engineering, Specialized in Artificial Intelligence

May 2023

- **GPA:** 3.4
- **Coursework:** Data structures, Analysis and Design of Algorithms, Artificial Intelligence, Data Science, Database Management Systems, CI, OOPS, Computer Networks and Security, Machine learning

PROJECTS

Wine Quality Prediction

- Executed regression models in R to **rank wines based on taste**, achieving a **75% accuracy in predicting quality** on time to reach project deadlines.
- Employed bi-variate plots and exploratory data analysis (EDA) to ascertain the **chemical characteristics that most effectively define wine quality**, revealing that **superior wines exhibit lower density** and chloride levels, along with higher alcohol and citric acid content.

Crime Analysis in LA

- Analyzed and visualized more than 932,000 crime records in Los Angeles from 2020 to 2024, employing **advanced statistical and geospatial methods** to uncover patterns and trends that guided **focused crime prevention** efforts and improved resource deployment for law enforcement, thereby gaining significant experience in data-driven decision-making and impactful communication with stakeholders.

Sentiment Analysis using AWS Services

- Implemented a **sentiment analysis system using AWS cloud services** by architecting an automated serverless pipeline with AWSLambda, leveraging AWS Comprehend for NLP on large datasets, and **visualizing results with AWS QuickSight**, gaining the **ability to transform raw customer feedback into actionable insights** that support better decision-making and improved customer satisfaction strategies.

TECHNICAL SKILLS

- **Programming Languages:** C, Python, R, Java, HTML, OOPS.
- **Data Analysis Tools:** Pandas, NumPy, Tableau, Jupyter, seaborn, matplotlib, folium, DBSCAN.
- **Database & Scripting:** SQL.
- **Development & Deployment:** Node.js, Git, AWS, Agile.

CERTIFICATION

- Data Science Methodology
- Python for Data Science, AI & Development
- Azure Fundamentals (AZ-900)
- Salesforce certified AI associate
- Aviatrix Certified Multi-Clouding Networking Associate (ACE-MCNA)