

Sahithi Keshireddy

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EDUCATION

University of Massachusetts, Dartmouth, MA, USA

May 2025

Master of Science in Computer and Information Sciences (GPA: 3.55/4)

Malla Reddy University, Hyderabad, India

May 2022

Bachelor of Engineering in Computer Science and Engineering (GPA: 3.60/4)

TECHNICAL SKILLS

Languages & Tools: Python, SQL, R, Java, C++, Scala, JavaScript, MATLAB, Git

Databases & Big Data: SQL, PostgreSQL, Snowflake, Azure Data Factory, Alteryx, SAP, Oracle, DB2, AWS (S3, EC2, Redshift, RDS, SageMaker), PySpark

Analytical Tools & Stats: Power BI (Advanced DAX), Tableau, Excel, Google Analytics, SAS, SPSS, Statsmodels, A/B Testing, ANOVA

Libraries & Frameworks: Pandas, NumPy, Scikit-Learn, TensorFlow, PyTorch, Keras, Matplotlib, Seaborn, spaCy, LangChain, Spring Boot

AI/ML: Scikit-learn, XGBoost, TensorFlow, PyTorch, Keras, Predictive Modeling (Classification, Regression), Clustering, Decision Trees, NLP

Project Management: Agile, Waterfall, SDLC, Jira, Confluence, Visio, Salesforce CRM

PROFESSIONAL EXPERIENCE

Supply Chain Data Analyst, Compass Group, UMASS Dartmouth

Feb 2024 - May 2025

- Analyzed procurement and inventory data using **SQL**, **Python**, and **ERP systems (SAP, Oracle)**, reducing supply chain costs **by 15%** and improving vendor **delivery rates by 12%**.
- Automated **executive dashboards** in **Tableau**, **Power BI**, and **Excel**, cutting manual **reporting time by 30%** and improving real-time supply chain visibility.
- Built predictive models with **Python and R**, and integrated cross-functional data using **Snowflake**, **Alteryx**, and **Google Analytics**, reducing **food waste by 25%** and speeding up decisions **by 40% across 300+** locations.

Data Analyst Intern, Volvo Group Trucks Technology, Greensboro, NC, USA

May 2024 - Aug 2024

- Automated **ETL pipelines** using **Python**, **Pandas**, **SQL**, and **Azure Data Factory** boosting data integrity and cutting manual processing time **by 60%** to support **NHTSA audits**.
- Developed interactive **Power BI** dashboards with **advanced DAX**, **Power Query**, and **Vega-Lite**, providing real-time visibility into certification timelines and compliance gaps for executive teams.
- Built predictive models with **scikit-learn** to forecast bottlenecks and delays, implemented **spaCy NLP pipelines** to extract regulatory insights, and consolidated data from diverse sources to **define KPIs** and ensure continuous NHTSA compliance.

Data Solutions Engineer, Factset Research Systems, Hyderabad, India

Nov 2022 - Aug 2023

- Partnered with global **fintech clients** to deliver data solutions using **SQL**, **Python (Pandas)**, and **Power Query**, transforming semi-structured data for **FactSet's DB2** systems and enabling accurate financial reporting.
- Built **Power BI** dashboards and automated pipelines with **Azure Data Factory**, while managing client relationships via **Salesforce CRM** and documenting processes in **Confluence** to ensure timely, seamless delivery.

Software Engineer Intern, Cognizant Hyderabad, India

April 2022 - Oct 2022

- Built web and enterprise applications using **Java**, **Spring Boot**, and **JavaScript**, delivering client-focused, quality solutions.
- Worked in Agile teams with **Git** and **JIRA**, contributing to code reviews and ensuring on-time delivery.

ACADEMIC PROJECTS

IMDb Data Analysis [Github Link](#)

- Analyzed IMDb movie data using Python (Pandas, NumPy, Seaborn, Matplotlib) for data cleaning, advanced EDA, feature selection, and machine learning modeling to uncover trends and predict key performance drivers.
- Developed interactive dashboards in Tableau to visualize insights on genres, ratings, and revenue, enabling impactful, data-driven storytelling for diverse audiences.

A/B Test with Logistic Regression [Github Link](#)

- Cleaned and preprocessed A/B test data using Python, Pandas, and NumPy to ensure data integrity and prepare for rigorous statistical analysis.
- Performed statistical hypothesis testing with Statsmodels (logistic regression and proportion tests) to assess the new webpage design's impact on conversion rates.
- Created clear visualizations using Seaborn to illustrate conversion trends and statistical results, providing data-driven recommendations despite finding no significant improvement.