

DEEPALI KRISHNA KASHYAP

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Data Analyst skilled in **SQL, Power BI, and Tableau**, turning **complex data** into actionable insights to drive **business success**. Nearly **four** years of experience as an **Automation Engineer** at Continental, specializing in Automotive Safety Systems.

Education

Master of Science in Data Analytics Engineering

GPA : 3.8

Northeastern University, Boston, MA

Expected May 2025

Relevant Courses : Data Management for Analytics, Computation & Visualization for Analytics, Deterministic Operations Research, Engineering Project Management, Data Mining, Supply Chain Engineering, Data Storage & Retrieval with R.

Bachelor of Engineering (B.E.) in Computer Science & Engineering

Sri Jayachamarajendra College of Engineering, Mysore, India

May 2019

Technical Skills

Programming & Data Processing: Python (Pandas, NumPy, Polars, NLTK), R Studio, SQL (MySQL, PostgreSQL), HTML

Data Visualization: Tableau, Power BI, Matplotlib, Seaborn

Data Engineering & ETL: SQL, Excel (pivot tables, v-lookup, VBA), Data Wrangling, Google Sheets, Go-To-Market Analysis

Big Data & Databases: MongoDB, NoSQL, PostgreSQL

Tools & Technologies: Microsoft Excel, Microsoft Powerpoint, Microsoft Word, JIRA, TortoiseSVN, Workday

Certifications: Natural Language Processing & Text Analysis (GIAN), Azure Data fundamentals, Power BI Data Analyst

Data Analysis Projects

Customer Churn Prediction, Personal Project

March 2025

- Developed a customer churn prediction model using **Python**, comparing **Linear Regression** and **Random Forest** algorithms, evaluating performance with **accuracy, precision, recall**, and **Confusion Matrix**.

Supply Chain Analysis Dashboard - Beauty Industry , Personal Project

March 2025

- Built an interactive **streamlit app dashboard** to analyze supply chain performance using **KPIs** like inventory turnover, order fulfillment rate, and on-time delivery across multiple regions predicted using **python** data visualizations.

Data Mining of Property Insights in West Roxbury, Northeastern University

Nov 2024

- Analyzed property features to determine market price influencers, evaluating **predictive models** (**Linear Regression, Random Forest, SVR**), using **PCA, MSE and R-squared**.

Time Series Analysis to Detect Heavy Drinking, Personal Project

April 2024

- Utilizing **Python** for **time series** analysis of accelerometer data, to detect heavy drinking behavior. Implemented **data cleaning, transformations** & compute **permutation entropy, complexity** in analyzing heavy drinking

Database Management system for NBA Player Fitness & Health, Northeastern University

Dec 2023

- Built a **database management system** tracking **NBA player fitness data**, integrating **MySQL, NoSQL**, and **MongoDB** with a **Python-based** querying application for analysis.

Dashboard for Crime Rate Analysis, Northeastern University

Dec 2023

- Developed an interactive **Tableau dashboard** analyzing **U.S. crime trends (2000-present)**. Applied **ETL** processes, **cleaned raw datasets**, identified key insights such as regional crime ratios, aiding in law enforcement **decision-making**

Work Experience

Automation Engineer

July 2019 - Dec 2022

Continental Automotive Components India Pvt. Ltd, Bengaluru, India

- Developed an **interactive HTML dashboard** integrating real-time data from IMS, enabling **data-driven** project tracking for project managers & increasing efficiency by **80%**.
- Extracted & analyzed large **datasets** using **SQL**, optimizing reporting automation and reducing manual effort by **80%**.
- Built **Python & C#** based automation scripts to process and analyze large-scale **sensor data**, identifying failure patterns and optimizing performance testing by **70%**.
- Collaborated with multiple **cross functional teams** to identify faults in the ACU & debug OEM's customer issues.
- Utilized **Excel (VBA)** to verify & process over **3,000+** customer **data requirements**, ensuring compliance with test specs
- Led **innovation initiatives**, mentoring teams to develop **data-driven** solutions for automotive testing.

Automation Test Intern

Jan 2019 - May 2019

Continental Automotive Components India Pvt. Ltd, Bengaluru, India

- Developed test automation scripts for Airbag Control Unit (ACU) module testing using **Python & CAPL**.
- Built an Airbag benchtop simulator, depicting real-time deployment of airbags in automobiles during accidents.