SYED MOHAMMAD HAMZAH

Data Analyst

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SUMMARY

Data Analyst with hands-on experience in Python, SQL, Excel, and Power BI, skilled in data cleaning, exploratory data analysis, and visualization. Built analytics projects involving customer behavior and multi-year electoral data, including a project that won 1st Prize in the Data Science category.

EDUCATION

B.Tech in Computer Science Engineering **Aug 2024 – Jun 2028**

Integral University, Lucknow, UP | CGPA – 7.66 / 10

TECHNICAL SKILLS

Programming: Python, SQL, Java

Libraries: Pandas, NumPy, Matplotlib, Seaborn

Analytics & BI: Excel, Power BI, Tableau

Tools: Jupyter Notebook, Git and GitHub

Data Analysis: Data Cleaning, Data Transformation, Exploratory Data Analysis (EDA), Statistical Analysis, Data Visualization

EXPERIENCE

Data Science In-House Training & Internship **May 2026 – Jul 2026**

Sipher Web Pvt. Ltd. | in collaboration with Department of Computer Science & Engineering, Integral University

- Applied Python, Pandas, NumPy, Matplotlib and Seaborn through hands-on Data Science training and project development.
- Built the Election Campaign Analysis project, applying Python and Pandas to clean and process two decades (2004–2024) of Lok Sabha election data
- Applied exploratory data analysis and visualization techniques (Matplotlib, Seaborn) to identify long-term voting trends and party performance shifts

Python Programming Intern **Aug 2025**

VaultofCodes · Remote

- Performed data cleaning and analysis on structured datasets using Pandas

PROJECTS

Customer Shopping Behaviour Analysis

Python (Pandas, NumPy, Matplotlib, Seaborn) | MySQL | Power BI | Jupyter Notebook

- Analyzed 3,901 customer records using Python and MySQL to clean, process, and explore purchasing patterns, customer segments, and revenue trends.
- Performed data cleaning and exploratory data analysis (EDA) to evaluate customer behavior across demographics, product categories, subscription status, and age groups.
- Developed an interactive Power BI dashboard with KPI cards and visualizations for sales, revenue, ratings, subscription status, and category/age-group performance.

Election Campaign Analysis

Python, Pandas, NumPy, Matplotlib, Seaborn, Streamlit

- Collected and consolidated Lok Sabha election data spanning 2004–2024 from Wikipedia and Kaggle, validating results against official Election Commission of India (ECI) data before analysis.
- Performed data cleaning and exploratory data analysis on multi-year electoral datasets to uncover trends across parties and regions
- Developed an interactive Streamlit dashboard to visualize election trends and findings; collaborated on an Election Intelligence ML component to classify constituencies as relatively safe or swing based on historical election data.

ACHIEVEMENTS

- **1st Prize – Data Science Category,** Sipher Web Pvt. Ltd. In-House Training & Internship Program (in collaboration with Department of Computer Science & Engineering, Integral University), awarded for the Election Campaign Analysis project

CERTIFICATIONS

- Data Analytics Certification – Integral University
- Linux Programming – Integral University