

Akash Bhargava

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SUMMARY

As an experienced data analyst, I am proficient in Python, R, SQL, and cloud & BI technologies including AWS, Azure, and Tableau. Additionally, I have knowledge in machine learning solutions using GPT and OpenAI's toolset. For a demonstration of my data visualization skills, please see my dashboard at [[Tableau Dashboard](#)]. You can also read my article on credit card fraud detection here. [[Medium](#)]

EDUCATION

University of Texas at Dallas
MS in Business Analytics & GPA - 3.5
Member of Data Science Club

Dallas, TX / USA
Aug '2021 – May'2023

SRM Institute of Science and Technology
B. Tech in Information Technology & GPA - 3.6

Chennai, TN / India
Jul '2016 – May'2020

SKILLS

Programming Languages: Python, SQL, R, Javascript, Tableau, Power BI, HTML, CSS, Snowflake, C++, JIRA

Python libraries: Pandas, NumPy, Matplotlib, Seaborn, Plotly, Scikit-learn

Statistical modelling: Hypothesis Testing, Regression, Classification, Clustering, SVM, Gradient Boosting

Methods/Tools: Excel (Vlookup, BA, Macros, Pivot tables), Word, PowerPoint, Agile, JIRA, ETL Tools, A/B testing

Certifications: AWS Cloud Practitioner, Google Analytics, AWS Sagemaker, Alteryx Data Analytics, IBM Applied Data Science

Core competencies: Spend Analysis, Market Research, Opportunity Assessment, Strategic Sourcing, Negotiations, Supplier Relationship Management, Stakeholder Management

PROFESSIONAL EXPERIENCE

University of Texas at Dallas
Analyst - Information Security Office

Dallas / USA
Feb '2023 – May'2023

- Analyzed and interpreted large datasets using Python, R, and SQL to identify trends and patterns, and used findings to inform data-driven business decisions.
- Worked on software development using Java and Python and configured various tools to improve security measures.
- Utilized strong problem-solving and critical thinking skills to analyze trends and interpret data using statistical tools (Excel, SPSS) and data visualization platforms (Tableau, Power BI).
- Demonstrated proficiency in data management, including data warehousing procedures, data validation, and SQL database maintenance, ensuring data quality and integrity for accurate analysis and reporting.

Asha Electronics Pvt Ltd
Data Analyst

Mumbai, MH / India
Dec '2019 – Aug'2021

- Leveraged advanced analytics techniques and scripting languages (Python, SQL) to extract actionable insights from complex datasets, contributing to enhanced customer understanding and internal process optimization.
- Collaborated with cross-functional teams to identify data needs, develop analytical frameworks, and deliver data-driven solutions that supported business objectives, resulting in increased operational efficiency and informed decision-making.
- Developed comprehensive reports and dashboards using data analysis tools (such as Tableau, Power BI) to provide integrated views for data-driven decision-making, resulting in a 20% improvement in operational efficiency and a 15% increase in revenue.
- Exhibited excellent verbal and written communication skills, fostering strong relationships with cross-functional teams. Effectively communicated data-driven insights and recommendations to clients and internal stakeholders. Collaborated with data analysts, designers, and account strategists to ensure the company's success.

PROJECTS

Semantic Search Application | Python, ML, OpenAI, GPT [[Github](#)]

- Using OpenAI's API I created a semantic search code which converts words to vectors.
- This code uses semantic search to find the exact word, sentence and speech from the data provided.

Banking Application | Python, AWS Sagemaker, S3 [[Github](#)]

- Utilized AWS services to create a Jupyter notebook instance, S3 buckets, and uploaded and analyzed bank data.
- Applied Xgboost algorithm to train and deploy predictive models, achieving high accuracy in predicting test data endpoints.

Financial Analysis of Company at HEC Paris | Python, Numpy, Pandas, MySQL

- Conducted statistical analysis using R to support data driven decision making after gathering, organizing and cleaning data.
- Utilized web scraping tools like BeautifulSoup to extract data, creating a streamlined and efficient data collection process for financial analytics.

Airline Ticket Price Analysis | Python, BI [[Github](#)]

- Performed data analytics using python and made a Power BI Dashboard.
- Aimed to answer questions like no. of flights available, Ticket availability from diff classes, Prices etc.

Spotify – Data Analysis | Python, ML [[Github](#)]

- Analysis and clustering of popular songs and their attribute's using Spotify API was done 10% faster.
- The songs were collected and arranged as per numerical features provided by Spotify and grouped as per similarity.