Boyiri Tushar

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CAREER OBJECTIVE

Aspiring data scientist with a solid beginner's foundation in data analysis, cleaning, and visualization. Eager to grow my skills in Python, Excel, and data modeling while contributing to data-driven projects. Seeking opportunities to learn and develop within a dynamic organization.

WORK EXPERIENCE

Data Analytics Associate Sep 2025 - Oct 2025
Labmentix, Virtual

- Analyzed and visualized datasets to extract actionable insights using Python, pandas, NumPy, and Seaborn.
- Worked on a Strava Fitness App analysis project, identifying workout trends and user engagement patterns through data cleaning and visualization.
- Built a Netflix Movies and TV Shows Clustering model using unsupervised learning (K-Means) to group similar titles based on genre, country, and user ratings.
  Gained hands-on experience in data preprocessing, EDA, and creating dashboards for data-driven decision-making.

Machine Learning • Internship Oct 2024 - Nov 2024
IBM, Virtual

- Completed the IBM SkillsBuild Mastering Data with Machine Learning Internship, building a foundation in key data science principles.
- Developed practical skills in machine learning and data analysis through hands-on projects.
- Gained experience in a collaborative environment with CSRBOX and IBM SkillsBuild.

Data Visualization • Internship Sep 2024
TATA MOTORS, Virtual

- Completed a simulation involving creating data visualizations for Tata Consultancy Services.
- Prepared questions for a meeting with client senior leaderships.
- Created visuals for data analysis to help executives with effective decision making.
- learnt visualization libraries from python and business intelligence tool powerbi.

Data Analytics And Data Visualization • Internship Sep 2024
Accenture, Virtual

- Completed Accenture North America Data Analytics & Visualization Job Simulation on Forage.
- Cleaned, modeled, and analyzed 7 datasets to uncover trends for a social media client.
- Presented insights via PowerPoint and video for client and stakeholders.

AI Job Simulation • Internship Jul 2024
Cognizant, Virtual

- Completed Cognizant AI simulation using Python and Colab for data analysis and model development.
- presented meaningful insights and recommendations.
- Gained skills in data processing, visualization, and AI application.

EDUCATION

B.Tech, Computer Science & Engineering 2022 - 2026
KG Reddy College Of Engineering And Technology

CGPA: 8.00/10

Senior Secondary (XII), Ssc 2022
Science

Narayana Junior College

Percentage: 86.00%

Secondary (X), Ssc 2020
Kranthi High School

CGPA: 10.00/10

TRAININGS / CERTIFICATIONS

Data Scientist
Sep 2025 - Present

Tutedude, Virtual

- Learning Python programming for data handling, automation, and analytical problem-solving.
- Gaining knowledge of Data Structures and Algorithms (DSA) with Python to strengthen logical thinking and coding efficiency.
- Exploring Data Science and Machine Learning concepts including data preprocessing, model training, and predictive analytics.
- Developing practical skills in Data Analytics using pandas, NumPy, matplotlib, and Seaborn to extract insights and visualize data effectively.

Google Professional Data Analytics
Apr 2025

Coursera, Virtual

- I have completed the Foundations of Data course from the Google Data Analytics Program.
- gained a strong understanding of the data lifecycle, key analytical concepts, and the role of a data analyst in problem-solving.
- This course introduced me to data-driven decision-making, working with structured data, and the fundamentals of cleaning, organizing, and interpreting datasets to uncover insights.

Data Visualization
Oct 2023

Coursera, Virtual

- In the Coursera Capstone: Retrieving, Processing, and Visualizing Data with Python, I learned essential skills to handle data efficiently.
- covered everything from scraping web data to processing it with Python libraries like `pandas` and `numpy`. I also got hands-on experience in cleaning messy datasets and creating visualizations using `matplotlib`.
- This course helped me bridge the gap between raw data and actionable insights, making it a great fit for anyone looking to dive deeper into Python and data analysis.

Data Scientist
Aug 2025 - Present

Tutedude, Virtual

- I am currently pursuing the Data Scientist Program from Tutedude.
- where I'm learning Python, Data Structures and Algorithms with Python, Data Science, Machine Learning, and Data Analytics.
- The program is very hands-on and allows me to work with real-world datasets and assignments after each module which will improve my problem-solving skills, and understand the complete workflow of data science — from cleaning and analyzing data to building models and drawing meaningful insights.

Data Science
Jul 2024

IBM, Virtual

- I completed the Python for Data Science course offered by IBM on Cognitive Class.
- This course provided me with a solid foundation in Python programming, focusing on essential libraries like `pandas`, `numpy`, and `matplotlib` for data manipulation and visualization.
- It emphasized hands-on learning through practical exercises, enabling me to apply my knowledge to real-world data science problems.
- I experienced not only my coding skills but also deepened my understanding of how to analyze and visualize data effectively, preparing me for future challenges in the field of data science.

PROJECTS

netflix movie shows and tv shows clustering ↗

Sep 2025 - Oct 2025

- Analyzed the Netflix Movies and TV Shows dataset to identify content patterns using Python, pandas, and Seaborn.
- Performed data cleaning, feature engineering, and exploratory data analysis (EDA) to prepare the dataset for modeling.
- Applied K-Means clustering to group similar titles based on genre, release year, and country attributes.
- Gained hands-on experience in unsupervised learning, visualization, and insight generation from real-world data.

Mini ETL Data Collection Project ↗

Oct 2025

- Extracted recruiter and HR contact data from LinkedIn and Apollo.io as part of a real-world data-collection assignment.
- Transformed and cleaned raw data to ensure accuracy, consistency, and relevance before structuring it into a professional dataset.
- Loaded and organized 25–30 verified entries into a well-designed Google Sheet using ETL principles for reporting and analysis.
- Improved understanding of real-life data workflows — from sourcing and validation to presentation — while strengthening attention to detail.

Travel Destination Recommender ↗

Apr 2025

- I created a travel destination recommender using Python to help users find the best places to visit based on their budget, interests, and the state they want to explore.
- I worked with a travel dataset and used machine learning models like KNN, Decision Tree, and Artificial Neural Networks to predict suitable travel categories for users. Based on these predictions, the system recommends specific places to visit along with descriptions to guide travelers.
- This project helped me practice data preprocessing, label encoding, multi-label handling, and model training while building an interactive user-focused recommendation system.

Customer Segmentation Using clustering ↗

Oct 2024

- I worked on the Mall Customers dataset to group customers based on their age, income, and spending score.
- applied both Hierarchical Clustering and K-Means Clustering after cleaning and scaling the data, and then used dendrograms, scatter plots, and PCA to visualize the clusters.
- This project helped me compare different clustering techniques and understand how businesses can use customer segments for better marketing strategies.

personal finance dashboard ↗

Sep 2025 - Oct 2025

- Designed and developed a real-time Excel dashboard using personally collected financial data over one month to track income, expenses, savings, and investments.
- Utilized FV and Blended CAGR formulas to forecast future net worth growth across SIPs, gold, and other investment categories for 10, 20, and 30 years.
- Created interactive visualizations (donut, line, and column charts) to illustrate monthly spending trends, compounding power, and long-term wealth projections.
- Automated calculations for savings percentage, total expenses, and investment returns, ensuring continuous accuracy and actionable financial insights.

HR analytics with sql and powerbi ↗

Jun 2025

- Analyzed 22k+ employee records to uncover insights on attrition, salary distribution, and workforce demographics.
- Wrote SQL queries for employee categorization, salary analysis, and tenure trends, including use of conditional logic and ranking functions.
- Built interactive Power BI dashboards to visualize attrition patterns, tenure groups, and department-wise salary gaps.
- Identified key findings such as high attrition in <3> and salary gaps across departments.

Predicting Corn Yield using Polynomial Regression ↗

Nov 2024

- I built a regression model on an agricultural dataset to predict corn yield based on fertilizer usage.
- I first applied linear regression as a baseline and then used polynomial regression to capture the non-linear relationship. By visualizing regression curves and testing predictions, I demonstrated how polynomial regression provides better accuracy compared to a simple linear model.

Predicting Hospital Stay Length Using Machine Learning ↗

Jul 2024

- I worked on a project where I built a machine learning model to predict how long a patient might stay in the hospital using their medical details like age, severity, and existing conditions.
- I have cleaned and prepared the data, explored patterns using visualizations, and converted text data into numbers so the models could understand it. I tried different models like KNN, Linear Regression, and Random Forest, and found that Linear Regression gave the best results.
- Through this project, I strengthened my skills in Python and data analysis while learning how data can help hospitals plan better and improve patient care.

SKILLS

- Python
- Data Science
- Data Analysis

- MS-Excel
- Data Analytics
- Database Management System (DBMS)
- Leadership
- Power BI
- Descriptive Statistics
- Machine Learning
- Data Visualization
- SQL
- Effective Communication