

Bavanoan Bramillan

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EDUCATION

Drexel University

Bachelor of Science in Data Science

Philadelphia, PA

Anticipated Graduation: June 2026

- **Relevant Coursework:** Multivariate Calculus, Linear Algebra, Microeconomics, Data Structures & Algorithms, Digital Logic Design, Physics II, Intro to Data Science Programming/Data Management
- **Awards/Honors:** A. J. Drexel Scholarship

EXPERIENCE

Beats by Dre

Consumer Insights Data Science Extern

Culver City, CA

06/24/24 – Current

- Analysed sentiments using Gemini API and NLTK after scraping customer reviews from various sites using Pandas, BeautifulSoup and storing in MySQL database.
- Conducted EDA on large datasets to identify consumer behavior patterns, visualizing insights with Matplotlib, and Plotly.
- Created interactive dashboards in Power BI to present insights and enhance user experience through possible feature-engineering for current and upcoming Beats speakers.

PROJECTS

Personal Website

Philadelphia, PA

Created an interactive website using NextJS, ThreeJS and more, featuring dynamic visuals and integrated with Google Analytics for tracking user engagement. Managed version control with Git and hosted on Vercel.

Titanic Data Visualization

Philadelphia, PA

Built an interactive application with Streamlit for visualizing passenger data, incorporating sliders for dynamic data filtering based on fare, age, sex, and a string-matching function for querying over 500 passenger names.

Oxford Dictionary Web Scraper

Philadelphia, PA

Developed a web scraping application using Python and Streamlit to retrieve definitions and examples from the Oxford Dictionary, utilizing BeautifulSoup for HTML content parsing.

NBA Player Visualization

Philadelphia, PA

Developed an interactive visualization application using Python, Plotly, and the RESTful NBA_api to analyze player statistics and team needs, utilizing Streamlit for interactive user experience.

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML/CSS, Java, SQL, C++, VHDL

Software & IDE's: Microsoft Office, Visual Studio Code, Git/GitHub, Tableau, Linux/Windows/MacOS

Frameworks: React, Flask, NextJS

Libraries: NumPy, Pandas, Plotly, Streamlit, BeautifulSoup, OpenCV

Databases: Microsoft SQL Server, PostgreSQL, MongoDB