

Pranav Panchal

DATA ANALYST

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PROFILE

I have 7 years of product design experience and I am a recent Data Science graduate seeking a career change into the data domain. I find working with data and implementing complex ideas and systems to be enjoyable. My hobby of coding has further fueled my intrigue in the field of data science.

EDUCATION

BrainStation | Diploma, Data Science

JUL 2022 - OCT 2022, ONTARIO, CANADA

University of Windsor | Master of Engineering, Mechanical

SEP 2019 - DEC 2020, WINDSOR, CANADA

University of Mumbai | Bachelor of Engineering, Mechanical

JUN 2009 - MAY 2013, MUMBAI, INDIA

SKILLS

- SQL
- Python
- Critical Thinking
- Tableau
- Data Visualization
- Problem Solving
- Git Bash
- Hypothesis Testing
- Team Player

DATA SCIENCE PROJECTS

Olympic Data Exploration | Exploratory Data Analysis

FEB 2023 - FEB 2023, Personal Project

- Conducted EDA using MySQL on Olympic data set containing over 270K rows.
- Demonstrated efficient queries by employing sub-queries, views, joins etc. to extract precise information for data.

Audio Classification Project | Machine Learning Project

FEB 2023 - FEB 2023, Personal Project

- Actively engaged in working with unstructured audio data to advance understanding of the audio domain.
- Applying feature extraction techniques to unstructured audio files to classify them.

Snake Game | Machine Learning Capstone Project

AUG 2022 - OCT 2022, Data Science Capstone Project, BrainStation

- Developed a custom game environment from scratch and utilized Q learning technique to train the agent to explore and exploit the environment.
- Demonstrated the agent's adaptability and ability to achieve its objective even when the environment was modified.

Off The Court, WNBA | Industry Project

SEPT 2022, Data Science, BrainStation

- Collaborated with a cross-functional team of UX designers, web developers, and digital marketers in a hackathon to develop recommendations for increasing fan engagement in the WNBA.
- Conducted data scraping, priming, trend identification, and statistical analysis to generate actionable insights for the front-end team.

Mean, Median & Mode Imputation | Academic Project

MAY 2020 - AUG 2020, Data Mining, University of Windsor

- Proficiently applied 3M imputation method using MATLAB to impute missing values in 1144 incomplete datasets, encompassing both numeric and categorical data.

PROFESSIONAL EXPERIENCE

Senior Product Development Engineer | MillerKnoll

JUN 2021 - JUN 2022, NORTH YORK, ON, CANADA

- Spearheaded the product design team.
- Designed and tested prototypes, analyzed results to validate designs and predict product performance.
- Managed engineering data using PTC Windchill to optimize data analysis, monitoring, and control.
- Successfully implemented Power BI to semi-automate data export from Windchill.

Deputy Manager | Godrej & Boyce Mfg. Co. Ltd.

AUG 2013 - AUG 2019, MUMBAI, INDIA

- Strategized and executed engineering activities in collaboration with cross-functional teams.
- Successfully reduced product launch lead times by nearly 40% and prototyping costs by 25%.
- Mentored and coached junior team members and interns on design philosophy, manufacturing constraints, processes, collaboration, and overall business acumen.