

Arsh Singh

singharshpreet6060@gmail.com | 317-946-6682
LinkedIn: linkedin.com/in/arshsingh08

Indianapolis, IN
GitHub: github.com/arshmattu08

SKILLS

- Programming Languages: Python, R, SQL
- Data Manipulation: Pandas, Tidyverse, NumPy
- Data Visualization: Plotly and Dash, Matplotlib, Seaborn, ggplot2,
- Database Design: ER Diagrams, keeping referential integrity, DBML
- Version Control: Git, GitHub

PROJECTS

Streamlit Web Application with Python

- Developed a data driven web application using Streamlit to analyze Airbnb data in a group setting
- Preprocessed data for insights on rating scores across 5000+ records

Statistical analysis on a sports dataset with R

- Performed exploratory data analysis followed by hypothesis testing. Finally, the findings were presented
- Concluded that the number of athletes in Indiana's colleges has a positive impact on sports revenue

Relational Database for the Music Industry

- Designed and implemented a relational database schema for the music industry using phpMyAdmin
- Created an Entity Relationship Diagram to display entities and their relationships
- Wrote SQL queries to showcase retrieval of information from the database
- Presented the database showcasing how database would be utilized and its structure

EDUCATION

Indiana University Indianapolis

Masters in Applied Data Science – Expected Dec 2025

Relevant Coursework: Statistical Learning, Visualization Design, Database Design, IT Project Management

Upcoming Coursework: Deep Learning Neural Networks, NLP in Biomedical Texts

INVOLVEMENT

- Member, Data Science and Machine Learning Club, IU Indianapolis
- Member, Punjabi Cultural Union, IU Indianapolis