SHADAAB HASAN

shadaabhasan7@gmail.com | +353 858006391 | LinkedIn profile | GitHub

PROFESSIONAL SUMMARY

Data analytics Masters student at the University of Galway with a strong technical foundation in Python, R and SQL and hands-on project experience in Machine Learning Predictive Modelling. Proficient in translating complex datasets into actionable business insights using visualization tools like ggplot2 and Seaborn. Seeking a Data Analyst or Data Scientist role to leverage statistical analysis skills in a dynamic environment.

EDUCATION

M.Sc. Computer Science (Data Analytics) | University of Galway, Ireland
2025 - Present
Core Modules: Natural Language Processing, Machine Learning, Modelling, Statistics for Data Science.

B.E. Computer Engineering | Rizvi College of Engineering (Mumbai University)
2021 - 2025 | **CGPA: 7.8/10**
Core Modules: Machine Learning, Applied Data Science, Operating Systems, Natural Language Processing, Data structures and Algorithms.

SKILLS

Languages: Python, SQL, R, HTML/CSS, Javascript
Machine Learning: Sci-kit Learn, CNNs, SVMs, Predictive Modelling
Data Analysis: Numpy, Pandas, Tidyverse, ggplot2, Matplotlib, Exploratory Data Analysis
Core Concepts: Data Structures and Algorithms, Critical Thinking, Leadership

PROJECTS

Skin Cancer Detection System   February - May 2024
- Developed a skin cancer recognition system leveraging computer vision techniques to analyze digital images of skin lesions, enhancing detection capabilities through automated analysis.
- Implemented machine learning algorithms, including convolutional neural networks (CNNs) and support vector machines (SVMs), to classify skin lesions into their respective categories with a high accuracy of 96%.
- GitHub Repository- https://github.com/ShadaabHasan/Skin-cancer-recognition-system

Hotel Booking Data Analysis   August- December 2024
- Performed extensive EDA in R using ggplot2 and dplyr to identify key drivers of booking cancellations across different market segments and customer types.
- Developed a predictive model using Random Forest to classify the likelihood of a customer cancelling, providing a tool for proactive retention.
- Engineered a time series model using auto.arima from the forecast library to forecast future monthly booking demand.
- GitHub Repository- https://github.com/ShadaabHasan/Big-data-hotel-booking-analysis

F1-insight   February - March 2025
- Collected and analyzed historical F1 race and driver data to uncover performance trends and strategic insights.
- Implemented R libraries like tidyverse, ggplot2, and dplyr for data cleaning, manipulation, and visualization.
- Created insightful plots highlighting driver performance, team dominance, and track-specific trends across different seasons.
- GitHub Repository- https://github.com/ShadaabHasan/F1-Data-Visualisation

PUBLICATIONS

- "Skin cancer detection system", International Journal of Emerging Technologies and Innovative Research, IJ Publication, 2024

CERTIFICATIONS

- Applied Machine Learning in Python - University of Michigan (Coursera)
- AWS Academy Graduate - AWS Academy Cloud Foundations
- Data Analytics with Python - NPTEL
- High-Performance Leadership – Santander Open Academy

ACHIEVEMENTS

- **Sports Coordinator:** Organized and managed the college football sports fest; demonstrated leadership by coordinating logistics and team schedules for a successful event.