Mohamed Anas H

anasfayas29@gmail.com +918281675417 Trivandrum, Kerala, India
17/01/1998 https://www.linkedin.com/in/mohamed-anas-h-148b47140/

ABOUT ME

Skilled Data Analyst with expertise in SQL, Python, Machine Learning, and Power BI. Dedicated to extracting actionable insights from intricate data sets. Demonstrated success in data collection, cleaning, analysis, and visualization for effective problem-solving.

EDUCATION

2022 – Present Online
MTech in Software Systems (Working Professional)
Birla Institute of Technology, Pilani

2020 – 2023 Trivandrum
Bachelor of Technology in Civil Engineering
APJ Abdul Kalam Technological University

SKILLS

- Data Science
- AI/ML
- Excel
- Strong Analytical Skills
- Python
- Deep Learning
- Pandas & NumPy
- Effective Communication
- SQL
- Problem-Solving
- Power-BI
- Data Cleaning
- NLP
- Feature Engineering

Work Experience

Systems Engineer
Infosys Limited [Oct 2021 - Jul 2023]

- Served as a Microsoft Dynamics CRM Developer, driving optimizations and enhanced functionalities for key projects.
- Collaborated cross-functionally to deliver on client requirements, ensuring timely project completion.
- Utilized analytical tools to refine CRM processes, enhancing user experience and operational efficiency.

Systems Engineer Trainee
Infosys Limited [May 2021 - Oct 2021]

- Underwent comprehensive training in Microsoft Dynamics CRM, DBMS, Data
- Structures, SQL, Python, and Power BI
- Contributed to team projects, applying learned methodologies and tools for
- practical solutions.
- Consistently met training milestones, leading to a seamless transition to a fulltime System Engineer role.

PROJECTS

Employee Attrition Analysis and Hypothesis Testing
Objective: Dive deep into an extensive dataset detailing employee metrics to derive actionable insights about factors steering attrition

- Detailed Data Analysis: Segmented employees based on satisfaction, tenure, and average hours, and conducted hypothesis tests to understand variations in monthly hours among different experience levels.
- Attrition Insights: Compared attrition rates of employees with varying tenures, focusing on factors influencing the decision to leave.
- Strategic Recommendations: Analyzed dataset integrity and provided data-driven insights to HR for formulating effective retention strategies and understanding diverse work patterns.

HR Analytics Project on Employee Churn
Objective: Comprehensively analyze employee attrition to unveil critical determinants influencing an employee's decision to exit the company

- Conducted a deep-dive analysis to furnish HR professionals with actionable insights.
- Tailored effective retention strategies to address identified key churn drivers, emphasizing the interplay of factors like salary, department dynamics, tenure, job satisfaction, and opportunities for growth.

Insurance Data Analysis and Predictive Modeling

Objective: Develop a model to predict insurance charges based on a comprehensive analysis of an insurance dataset

- Understood patterns, relationships, and determinants influencing insurance claims and charges.
- The insights provided were invaluable for stakeholders to make informed decisions.

Netflix Movie Recommendation System

Objective: Enhance user experience by predicting and suggesting movies aligned with individual user preferences.

- Developed a recommendation system based on the Netflix Prize dataset, which had 100M+ ratings for 4,499 movies from 480,000.
- The project used Singular Value Decomposition (SVD) to understand user-movie interactions and enable tailored movie recommendations

Bank Marketing Campaign Analysis

Objective: Develop a predictive logistic regression model to understand customer behavior and refine targeted marketing strategies.

- Conducted comprehensive data analysis on a bank's marketing dataset.
- Involved extensive data preprocessing and employed collinearity checks and variance inflation factor (VIF) calculations

Heart Disease Predictive Analysis

Objective: Predict the probability of a patient having heart disease to aid in early detection and intervention.

- Delved into a heart patient dataset, identifying indicators and relationships.
- Developed a predictive model using the Decision Tree algorithm based on a patient's profile.

Analysis of US Honey Production

Objective: Derive insights into the patterns of honey production, pricing, and contributions by different states from 1995 to 2021.

- By understanding these trends, stakeholders can make informed decisions and forecast potential future movements in the honey industry.

CERTIFICATIONS

Advanced Certification in Data Analytics for Business (IIT Madras Parvatak – Intellipaat - Feb 2022 – Present)

- Proficient in data handling and analysis tools including SQL, Python, NumPy, Pandas, Matplotlib, Power BI
- Deep understanding of statistical methods, probability, and machine learning principles.
- Acquired skills in business problem solving, deriving insights, and effective storytelling to communicate results.
- Demonstrated practical application through a comprehensive Data Analytics Capstone Project and real-world Business Case Studies.
  Proficient in data handling and analysis tools including SQL, Python, NumPy, Pandas, Matplotlib, Power BI

PL-900: Microsoft Power Platform Fundamentals