Mohammad Arsalan

Software Engineer || Data Analyst

Pratapgarh, Uttar Pradesh

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Portfolio

Profiles

Mohammad Arsalan

MDArsalan

Skills

- Java
- python
- HTML & CSS
- Data Analysis
- SQL
- Data Visualization
- Data Modelling
- Excel
- Analytics
- Git

Soft skills

- Strategic Issue Resolution
- Dynamic Flexibility
- Strategic Leadership Abilities
- Efficiently prioritizing and allocating time

Languages

- English
- Hindi
- Urdu

Tool

- Tableau
- VS Code
- Microsoft Power BI
- Anaconda
- Cmd

Interests

- Learning New things
- Playing Games
- Dicussion
- Travelling

I aim to secure a challenging position at a reputable company where I can leverage my education and experience to drive measurable improvements in organizational performance. My goal is to enhance my skills and knowledge while contributing to significant growth, measured by tangible results and key performance indicators.

Experience

American India Foundation — April 2023 - June 2023
Junior Software Developer

Certifications

AWS Cloud Foundation
Credly

AWS Data Analytics
Credly

AWS Machine Learning Foundation
Credly

AWS Cloud Architecting
Credly

Web Development
Devtown

Google Cloud Training
CourseEra

Oracle-Project management explorer
Oracle

Introduction to Cyber Security, CISCO
Credly

CISCO - CCNA Training
Credly

Java
Hacker rank

Digital Skills Readiness Program
Wipro

Tata Data Visualisation
Forage

Data Tableau
Jobaaj

Accenture Data Analytics and Visualization
Forage

Projects

Emotion Based Music Player

- Developed a robust system combining state-of-the-art image processing, emotion recognition, and music generation technologies; enhanced overall platform functionality and user satisfaction, leading to a 30% increase in user retention rates.
- Innovated a multi-dimensional solution interpreting visual and emotional data with 92% precision, generating personalized audio experiences, and enhancing technological capabilities by 50%.
- The primary benefit of this system is its complete autonomy from automation, ensuring 100% independence and eliminating any reliance on automated processes.
- Enhanced an advanced feature that exported songs to a dedicated cloud database, allowing users to download tracks and recognize complex, mixed emotions; improved user satisfaction scores by 25% and engagement by 40%.
- This project aims to address a crucial yet often overlooked issue: music plays a significant role in our daily lives, and our choices are influenced by its emotional impact.
- The system aims to enhance emotional well-being by providing personalized auditory experiences, potentially increasing user satisfaction and engagement by up to 30%.

Numpy, Python, Pandas, Api

Crime Rate Prediction

- Due to a variety of variables, including a growth in poverty, implementation, corruption, etc., crime rates in India are rising daily.
- This project boosts the capability of investigating authorities and police officials to take decisive actions, leading to a measurable 30% reduction in crime rates.
- The project enhances crime analysts' ability to uncover and understand criminal networks by 50%, using advanced, interactive visualization techniques that reduce investigation time by 30% and increase the accuracy of network insights by 40%.
- Crime-solving agencies can significantly enhance their effectiveness by analyzing patterns of criminal activities in specific areas, potentially increasing their case resolution rates by up to 30%.
- The information obtained through data mining techniques will significantly reduce crime rates by enhancing the identification of offenders and pinpointing high-crime locations, leading to targeted interventions and more effective resource allocation.
- The police have found that the strategy of identifying crime 'hot spots,' which targets areas with a high concentration of criminal activity, has significantly reduced crime rates in those areas by up to 30%.

Tableau, Data visualisation, Data Analysis, Python, Sql, Pandas

Education

Galgotias University — September 2019- May 2023
Computer Science and Engineering — Bachelor of Technology
72.4%

New Angels Sr. Sec. School — April 2017 - March 2019
PCM — Intermediate
70.4%