

Mitchell Parker



Specializing in all things data.

Relevant experience: 1 year (Data)

Total experience: 3 years (Tech)

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Summary

Data-driven problem solver with a strong academic foundation in data science. Eager to leverage my skills in a dynamic environment to extract actionable insights and contribute to innovative solutions.

Work Experience

DATA ANALYTICS APPLICATION ON AWS Jan 2024 - Feb 2024

Data Scientist/Software Developer

A web-based platform designed to facilitate the ingestion, processing, and visualization of large datasets. Built using the Django web framework, the application allows users to upload datasets, process them for analysis, and generate interactive visualizations.

Tech used: EC2, RDS (PostgreSQL), S3, CloudWatch, Nginx, Unicorn, Python, Django REST, PostgreSQL & Certbot.
https://github.com/mitchparker99/data-analytics-app

IMAGE CAPTION GENERATOR Jan 2024 - Mar 2024

Data Scientist/Developer/Analyst

Using Convolutional Neural Networks (CNNs) for image feature extraction and Recurrent Neural Networks (RNNs) with Long Short-Term Memory (LSTM) units for generating captions.

Tech used: Keras, TensorFlow, Keras, NumPy, pandas, and NLTK.
https://github.com/mitchparker99/image-caption-generator

ADVANCED MOVIE RECOMMENDATION SYSTEM Feb 2024 - May 2024

Data Scientist/Developer/Analyst

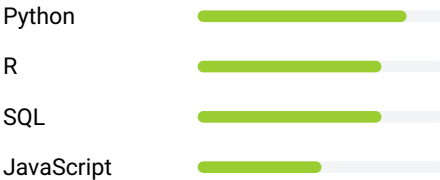
Implemented various data science techniques including collaborative filtering, matrix factorization, and hyperparameter tuning to deliver personalized movie recommendations. Ensured scalability and real-time recommendation delivery

Tech used: R, Shiny, ggplot2, dplyr, tidyr, recommenderlab & readr.
https://github.com/mitchparker99/movie-recommendation-system

Career Objective

To secure an entry-level Data position within a forward-thinking organization. Leveraging my strong academic foundation and passion for data, I aim to contribute to innovative projects by applying advanced analytical techniques and AI to derive actionable insights and drive business growth. I aim to deepen my expertise in specific technologies or tools and contribute to the development of data-driven solutions that create significant business impact.

Technical expertise



Skills / Exposure

Machine LearningDeep Learning

Big DataCloud Platforms

Pandas • Numpy • Matplotlib • Scikit • Seaborn • TensorFlow • Keras • Pytorch

CRAN • Tidyverse • Shiny

jQuery • ReduxMongoDB

PostgreSQLMySQL

Tools

GitJiraEclipseTableau

PowerBIAlteryxMatlab

Key Projects / Involvements

Data engineering: Designing and implementing data pipelines using AWS services (EC2, RDS, S3, CloudWatch) for data ingestion, processing, and visualization.
Machine learning: Developing predictive models using Python libraries (NumPy, Pandas, Scikit-learn, TensorFlow, Keras) for tasks like image caption generation and recommendation systems.
Data analysis and visualization: Utilizing tools like R (Shiny, ggplot2), Python (Matplotlib, Seaborn), Tableau, and Power BI for exploratory data analysis and creating insightful visualizations.
Database management: Working with relational (PostgreSQL) and NoSQL (MongoDB) databases.
Cloud computing: Leveraging AWS services for hosting and deploying applications.

Certificates and Awards

- Certified by Google in Data Analytics
- Recieved recognition and was certified by OpenEDG: Programming with Python
- Github Professional Certificate obtained.
- Developed a predictive model for customer churn that reduced churn rate by 17.8%.
- Built a data pipeline using AWS to process and analyze terabytes of data daily.
- Achieved a score of 100% on the Deep Learning Foundations exam.
- Led a team to develop a chatbot that increased customer satisfaction by 34%.

Education

MS - Information Technology
CSU Nov 2023 -present

Grad Cert - Data Science
CSU Nov 2023 -Jun 2024