

NITIN GIRDHAR

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Education

Dr. A.P.J Abdul Kalam Technical University

Master of Computer Application

2022 - 2024

7/10 CGPA

Chaudhary Charan Singh University

Bachelor of commerce

2019 - 2022

7/10 CGPA

Work Experience

Open Bootcamp

Nov 2023 – Dec 2023

Software Development Intern

Remote

- Enhanced full-stack web development skills on real-world project using MERN stack technologies.
- Assisted in the implementation of backend functionalities, including database management and API integration to support frontend features

Projects

Rock Vs Mine Prediction

GitHub Repository

- Developed a **Machine Learning Model** to predict whether sonar signals represent rock or mine in a submarine environment.
- Acquired and preprocessed data from UCI Repository, implementing data cleaning and feature engineering techniques.
- Utilized Logistic Regression as the machine learning algorithm due to its effectiveness in binary classification tasks.
- Created a user-friendly and interpretable dashboard using Python and libraries such as Numpy, Pandas, and Matplotlib.

Investigating Netflix Movies

GitHub Repository

- Conducted EDA on a Netflix movies dataset to investigate trends in movie duration over time.
- Utilized Python for data analysis and visualization.
- Hypothesized and tested the claim that movies are getting shorter.
- Technologies Used: Python, Jupyter Notebook, pandas, matplotlib

Enriching Stock Market Data using the OpenAI API

GitHub Repository

- Developed a Python application to enrich and summarize stock market data for the NASDAQ 100 index using OpenAI's API.
- Collected and preprocessed historical stock market data, including stock symbols, prices, and volumes.
- Analyzed stock performance metrics and identified the best-performing stocks based on predefined criteria.
- Technologies Used: Python, OpenAI API, Pandas, Data Visualization (Matplotlib).

Skills

Programming Languages: Python (NumPy, pandas, scikit-learn), C++, SQL

Data Analysis and Visualization Tools: Tableau, matplotlib

Statistical Analysis: Hypothesis testing, Regression analysis, Time series analysis

Software Development: Git, Docker, Agile methodologies

Machine Learning Frameworks: TensorFlow, PyTorch, scikit-learn

Data Cleaning and Preprocessing

Deployment Pipelines

Strong mathematical and statistical skills

Certification

- **SQL Basic Certification :** HackerRank
- **JP Morgan Software Engineering Virtual Experience :** Forage