

Prakash Thakur

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EDUCATION

IK Gujral Punjab Technical University

Kapurthala, India

Bachelor of Technology

2023

Computer Science & Engineering

Relevant Coursework: DSA,DBMS; Operating Systems; Algorithms; Artificial Intelligence, Data Warehouse and mining

Technical Skills

Language: Python, C#, SQL

Machine learning : classification ,Regression , clustering, ensemble learning Algorithms

Deep learning : object detection, classification ,segmentation

NLP : Transformer , BERT ,LSTM , Genrative AI

Database : Mysql , SQL server

Skills and Tools : Tableau , Advance excel , web scrapping , Probability and statistics , Data analytic ,Google analytic (lookml , Bigquery) ,Data analysis , prompt engineering , MySQL , Django , Html5 ,Css3

Others: Leadership, Adaptability, Effective communication, problem solving

WORK EXPERIENCE

Deep Thought

Hyderabad, India

Pedagogy Data Scientist

May 2023 - Aug 2023

- Created a model using **Prompt Engineering** for the classification of candidates Segregated them into 4 section
- Built a **Scientific Appraisal system** and Streamlined recruitment
- Collected and Analyzed Data from different sources and Give insights that help to solve Problem
- Gained exposure to diverse **Business concepts**, honing strategic thinking and collaboration abilities

IDEMIA

Noida, India

Software Engineer Intern

Feb 2023 - May 2023

- Learnt C# and its framework ASP.net, Entity framework, perform CRUD operation in a project
- Built a Page in one of the Projects (floor manager) using Entity Framework and SQL Server

PROJECTS

Machine Learning-Driven Stock Price Prediction

[Project link](#)

- Developed a stock price prediction model to help investors and financial analysts make informed decisions in the stock market's volatile environment.
- Utilized the yfinance API for data extraction, applied feature engineering with technical indicators, and trained machine learning models (including **random forests**) with hyperparameter tuning to achieve an 85% accuracy rate.
- Technologies : Python, yfinance API, scikit-learn, Pandas, NumPy, and Matplotlib for data extraction, preprocessing, modeling, and visualization.

Precision Marketing Through Customer Segmentation

[Project link](#)

- Developed a customer segmentation strategy to categorize customers based on their recency, frequency, and monetary (**RFM**) behavior, aiming to understand and target distinct customer groups effectively.
- Conducted Exploratory Data Analysis (EDA) for customer behavior insights, including RFM analysis. Performed data preprocessing, used machine learning (**Logistic Regression, SVM, Decision Tree, Random Forest**), and tuned models for customer segmentation.

Facial Emotion Recognition

[Project link](#)

- Achieved an impressive 93% accuracy rate in classifying seven distinct emotions (Angry, Disgust, Fear, Happy, Sad, Surprise, Neutral) in images, **Enabling real-time emotion analysis** in photos, videos, and live camera feeds.
- Leveraged advanced data augmentation and a customized Convolutional Neural Network (CNN) architecture, incorporating dropout and batch normalization to optimize model performance.

ADDITIONAL

Languages: English, Hindi

Certifications & Training: Complete machine learning and Data science by Geek for Geeks, Python Developer on Udemy

Awards: Won Quiz Competition twice in Youth Festival organized by the university

Runner up in Chess Tournament organized in College