Gaurav Singh

Passionate and detail-oriented Data Science learner with experience in machine learning,Deep learning, Computer vision, Natural language processing, statistical analysis, and data visualization. Eager to contribute and learn technical skills and to use my analytical mindset to drive data-driven decision-making in a dynamic environment.

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Linkedin Profile
Github Profile

INTERNSHIP

The Sparks Foundation (Online—Data Science & Business Analytics)

November 2020 - December 2020

Worked on Regression, classification and clustering problems and built a dashboard on Tableau.

EDUCATION

IIMT Engineering College , Meerut(UP) —B.Tech(CSE)   **2016 - 2020**
CGPA : 7.28

CAREER GAP   **2020- 2024**

- **I was preparing for the UPSC Civil services exam.**
- **In my 3 attempts, I qualified for mains 2 times.**

PROJECTS

- **Movie Recommender System**(Python, Scikit–Learn, Pandas, Numpy, Django):
    - ➔ Made a recommendation system using movie data from kaggle.
    - ➔ Extracted and analyzed the data to make a model.

- **Credit Card Fraud Detection(**Python, Scikit-Learn, Pandas, Colab**):**
    - ➔ Analyzed, Transform and Visualized the data.
    - ➔ Made a Classification ML model that can classify transactions as fraud or normal.
    - ➔ Link of Project

- **Fake News Classifier(**Python, Scikit-Learn, NLP, Colab**):**
    - ➔ Classified a News as fake or real using Natural Language Processing technique.
    - ➔ Link of Project

- **Brain Tumor Classification(**Python, CNN, Colab**):**
    - ➔ Implemented a classification model on images using Convolutional Neural Network.
    - ➔ Link of Project

SKILLS

Programming Language : **Python, R, C**

Cloud Technology : MS Azure, Azure ML, Azure Databrics.

Data Analysis: Pandas, NumPy, Matplotlib, Seaborn, Excel

ML : Scikit-Learn, TensorFlow ,Keras, NLP, CNN, RNN

Statistics: Hypothesis Testing, Predictive Modeling, Regression Analysis

Database: MySQL, MongoDB

Data Viz: Tableau PowerBI, ,IBM Cognos Analytics, Excel

Tools: Jupyter Notebook,Colab

Soft Skills: Strong Analytical Thinking, Effective Communication, Story Telling, Problem Solving

CERTIFICATIONS

Applied Data Science Specialization [Coursera],[June, 2023]

IBM Data Science Specialization [Coursera],[Dec, 2020]

Introduction to Deep Learning[Coursera],[Nov, 2020]

Machine Learning [Udemy],[Feb. 2020]

Microsoft Azure [Microsoft],[Oct, 2023]

Google Data Analytics [Coursera][Sep. 2023]

EXTRA CURRICULAR

- ❖ **BCG Data Science Job Simulation on Forage - July 2024**
  - ➢ Completed a customer churn analysis simulation for XYZ Analytics, demonstrating advanced data analytics skills, identifying essential client data and outlining a strategic investigation approach.
  - ➢ Conducted efficient data analysis using Python, including Pandas and NumPy. Employed data visualization techniques for insightful trend interpretation.
  - ➢ Completed the engineering and optimization of a random forest model, achieving an 85% accuracy rate in predicting customer churn.
  - ➢ Completed a concise executive summary for the Associate Director, delivering actionable insights for informed decision-making based on the analysis.
  - ➢ Project Link

- ❖ **Commonwealth Bank Introduction to Data Science Job Simulation on Forage - August 2024**
  - ➢ Completed a job simulation involving Data Management skills for Commonwealth Bank's Data Science team.
  - ➢ Demonstrated proficiency in creating data engineering pipelines to aggregate and extract valuable insights from datasets, optimizing data-driven decision-making.
  - ➢ Acquired skills in anonymizing personal data within datasets, ensuring compliance with data privacy regulations.
  - ➢ Proposed effective data analysis approaches, particularly related to social media, and demonstrated the ability to design well-structured databases for efficient information management.

- ❖ **PwC Switzerland Power BI Job Simulation on Forage - August 2024**
  - ➢ Completed a job simulation where I strengthened my PowerBI skills to better understand clients and their data visualization needs.
  - ➢ Demonstrated expertise in data visualization through the creation of Power BI dashboards that effectively conveyed KPIs, showcasing the ability to respond to client requests with well-designed solutions.
  - ➢ Strong communication skills reflected in the concise and informative email communication with engagement partners, delivering valuable insights and actionable suggestions based on data analysis.
  - ➢ Leveraged analytical problem-solving skills to examine HR data, particularly focusing on gender-related KPIs, and identified root causes for gender balance issues at the executive management level, highlighting a commitment to data-driven decision-making.
  - ➢ Project Link

Data Visualization with Tableau [Coursera][July 2023]

HONORS & AWARDS:

Won Inter College Quiz Competition

2nd Runner Up of college coding competition

DECLARATION:

I declare that the information given above is complete and correct to the best of my knowledge and experience.

Gaurav Singh