

MANU SHARMA

CONTACT No. +916397955439

[PORTFOLIO](#)

[LEETCODE](#)

[GITHUB](#)

[EMAIL](#)

[LINKEDIN](#)

[CODECHEF](#)

Education:

GLA University, Mathura

2020 - Present

- BTech, CSE (specialized in AIML).
- GRE (2024) : Scored 316 : 160 Quant, 156 Verbal.
- CPI - 8.54

Research Publication:

ML Data Mining Research

Aug 2022 - March 2023

- Contributed to Machine Learning research in Data Mining Domain
- Developed a **hybrid feature selection model** combining mRMR and Boruta/RFE
- Using the novel approach, classification accuracy was increased from 90.21% to 95.83%
- Worked under the guidance of Prof. Dilip Kumar Sharma, Dean (International Relations) GLA University.
- The paper was accepted for publication in the ISCON 2023 conference. [IEEE Link.](#)

Projects:

Streamlit Portfolio

[Portfolio](#) | [Source code](#)

March 2024

- Created a portfolio website to showcase my skills, projects, certifications and more.
- Using streamlit, an open-source python framework I was able to code and deploy the website all in pure python, without needing any front-end code.
- **Tech Stack** - Python, Streamlit, pathlib, pillow, pandas, numpy.

SPX Market Monitor

[Link](#) | [Github](#)

March 2024

- This interactive website allows users to know the closing price of S&P 500 Companies.
- Based on user needs, companies as well as the timeframes can be customized.
- Upon feature request, a multi view option was also added that is able to compare multiple companies on a single graph.
- **Tech Stack** - Python, Streamlit, yFinance, BeautifulSoup4, pandas.

Machine Learning Projects

2022 - 2024

- Developed Loan Eligibility Prediction Model, enhanced to include feature ranking using mRMR technique from feature selection research, the model not only predicts but also deliver insights into the top 3 features that influence loan eligibility
- Developed Smoking Detection Classifier, identifies smoking activity from images. Applied CNN to learn patterns, implemented TensorFlow partitions for efficiently caching and prefetching images.
- Waze user churn retention model (Working on this project) Part of Google Data Analytics Cert.
- **Tech Stack** - Python, Jupyter Notebooks, mRMR_Classif, TensorFlow, ScikitLearn.

Skills:

- | | | |
|---------------------------|-----------------------|--------------------------------|
| • Java (Proficient) | • Python (Proficient) | • Google Data Analytics Cert. |
| • Leetcode 250+ Questions | • MySQL, PopSQL | • U. Mich. Python 3 Spec Cert. |
| • 1552 Rating Codechef | • Streamlit | • Tableau |
| • JDBC | • Machine Learning | • Excel |