

Mohammed Nihal

SKILLS

LANGUAGE KNOWN | • Python • C

LIBRARIES | • Numpy • Pandas • Matplotlib • Seaborn • TensorFlow • Keras • Scikit-learn • NLTK • OpenCV

MISCELLANEOUS | • EDA • Machine-Learning • Deep-Learning • NLP • Image-Processing

FRONT END DEVELOPMENT | • HTML • CSS • JavaScript • Bootstrap

BACK END DEVELOPMENT | • PythonDjango

SOFT SKILLS | • Team player • Leadership

PROJECTS

- Predictive Analysis for Creditworthiness in German Financial Data

Python, EDA, Machine Learning, Deployment

- This project involved thorough Exploratory Data Analysis (EDA) and visualization of the German Credit Dataset to discern patterns and insights regarding credit factors.
- Subsequently, I evaluated multiple machine learning algorithms to determine the most effective for creditworthiness prediction.
- The selected model was deployed using Tkinter, a Python GUI library, offering a user-friendly interface for real-time credit assessments.

- Detecting Text-Based Emotions

Python, NLP, Machine Learning

- This NLP project aimed to discern the emotional context of text data. The dataset comprised textual inputs paired with various emotions ranging from happiness to sadness, love, and fear.
- Through rigorous preprocessing steps including label encoding, word lemmatization, and stopwords removal, the text data was refined for analysis.
- Vectorization techniques were then applied to transform the text into numerical representations suitable for machine learning algorithms and leveraged a Random Forest classifier model.

- COVID-19 Patient Analysis

Python, Python Libraries, Data Analysis, EDA, Visualization

- Led a comprehensive analysis of a large-scale COVID-19 patient dataset provided by the Mexican government, consisting of anonymized information from 1,048,576 unique patients
- The dataset includes 21 features such as patient demographics, pre-existing conditions, and COVID-19 test findings.

- Notepad

Python, Functions, Tkinter module

- Designed and developed a text editor similar to Notepad using Python, providing a versatile platform for text editing.
- Utilized Python's Tkinter module to create a user-friendly graphical user interface (GUI) for the Notepad application.
- Implemented core text editing features, including text selection, copy, cut, paste to enhance user productivity. Integrated file management capabilities, allowing users to open, save and also other features.

PROFILE

An enthusiastic individual graduate with a BSc in Chemistry, combined with a foundation in Python Programming through a PG Diploma program, actively seeks opportunities in any role related to my skills. I am excited to contribute my skills and adaptability to a dynamic team. As a dedicated football player, I understand the importance of teamwork and collaboration, which I bring to my software development projects.

CONTACT

Phone : +91 8129765764

Gmail : mnkv1013@gmail.com

Github : [mnihal-13](https://github.com/mnihal-13)

(<https://github.com/mnihal-13>)

Linkedin : [mnihal13](https://www.linkedin.com/in/m-nihal13)

(www.linkedin.com/in/m-nihal13)

Medium : [@mn13](https://medium.com/@mn13)

(<https://medium.com/@mn13>)

Address : KV House, Pathapiriyam, Manjeri, Malappuram, Kerala

EDUCATION

- EDURE Software Training Institute

• *PG Diploma in AI*

2023 (Present)

Trivandrum, Kerala

- N.S.S COLLEGE

• *BSc. Chemistry*

2020-2023

Manjeri, Malappuram, Kerala

COURSEWORK

Complete A.I. & Machine Learning, Data Science Bootcamp ([Udemy](https://www.udemy.com/))

LANGUAGES

- English
- Malayalam

INTERESTS

- Self-improvement • Fitness
- Nutrition • Traveling • Food