



ANKIT SINGH

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Education

IIIT Naya Raipur

B.Tech in Data Science and Artificial Intelligence

8.42/10

Dec. 2020 – June 2024

Delhi Public School, Bhilai

CBSE - Class-XII

91.8%/100

May. 2005 – May 2019

Experience

Mentee

May 2022 – July 2022

Microsoft

- Built a **Data Analysis App** for automotive industry to demonstrate how the automotive Industry could harness data to take informed decisions.
- Used Streamlit as frontend and k-means clustering algorithm at backend of the program.
- Demonstrated the use of data analysis in identifying and visualizing most popular car specification combinations (cost, engine type, fuel, mileage, etc.).
- Segmentation of cars into different clusters based on these combinations.

Projects

Masked Face Recognition | Python, Tensorflow, Keras

October 2022 – December 2022

- Created a dataset which contains images with variations in pose, illumination, resolution, and the variety of masks worn by the subjects.
- Created a Multi Output ANN model for classification of images.

Fraud Detection Analysis | Python, Jupyter Notebook, SQL

February 2023 – March 2023

- Analysis aims to prevent financial losses and protect businesses and customers from fraud.
- Application of SQL and Python to analyze historical credit card transactions and consumption patterns in order to identify possible fraudulent transactions.
- Accomplished three main tasks:
 - * Data Modeling: Define a database model to store the credit card transactions data and create a new PostgreSQL database.
 - * Data Engineering: Create a database schema on PostgreSQL and populate the database from given CSV files.
 - * Data Analysis: Analyze the data to identify possible fraudulent transactions.

Healthy.ai | Python, Flask, Sklearn, Tensorflow

April 2023 – May 2023

- Used machine learning and deep learning algorithms to train highly accurate models.
- Allows users to check their chance of having one of the following diseases: Liver Disease, Pneumonia, Kidney Failure, Diabetes, Stroke, Heart Disease.
- Each Disease has it's own page with an overview and symptoms that patient may have, and also the prediction model information and required parameters that user must provide.

Technical Skills

Languages: Python, C/C++, SQL (Postgres), HTML

Frameworks/Libraries: Flask, Streamlit, Scikit-learn, Pandas, NumPy, Matplotlib

Developer Tools: Linux, Git, VS Code, Visual Studio, PyCharm, IntelliJ, Jupyter Notebook

Soft Skills

Communication, Critical Thinking, Leadership, Problem Solving, Team Work

Achievements

- Microsoft Intern Engage 2022: Among top 900 students to be selected for mentorship out of 30,000+ students.