MANDAR CHAUDHARI

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SKILLS

- ❖ **Machine Learning | Deep Learning |Data Analytics | Neural Networks**
- ❖ **MySQL | Python | Java | C++ | C | HTML & CSS (Basics)**
- ❖ **Salesforce Administration & Python Libraries (NumPy Pandas Matplotlib Seaborn)**
- ❖ **Data Structures and Algorithms | Power BI Basics**

EDUCATION

- ❖ Data Science Engineering | MIT Manipal   *(2022 - 2026)*

  CGPA: 8.94 | 2024

- ❖ XII (CBSE) | Alard Public School Hinjewadi   *(2020 - 2022)*

  Percentage: 77.8%

- ❖ X (CBSE) | Lexicon International School Wagholi   *(2013 - 2020)*

  Percentage: 94.2%

EXPERIENCE

- ❖ **Data Science Intern | Danfoss**   *(May '24 - Present)*

  Working on Predictive Maintenance Analysis Model for the Maintenance Department using Maintenance Data, Analysis of Rejection Rate of Child Parts by the Quality Department & Finding Hidden Patterns through Data Analysis.

- ❖ **Data Science Intern | Anjali T Precision**   *(Dec '23 - Jan '24)*

  Finding Trends and Insights Using Production Data to Improvise Supplier Quality and Improve Error Rate by Implementing a Convolutional Neural Network to Identify Damaged Production Parts via Images.

ACADEMIC PROJECTS

- ❖ **Melanoma Cancer Prediction**

  Utilized CNN to predict melanoma cancer from dermoscopic images, identifying the presence of melanoma, thereby aiding in early diagnosis, treatment planning, and reducing the need for invasive biopsy procedures

❖ **Covid 19 Prediction**

Utilized CNN to predict COVID-19 from chest CT scan images, identifying the presence of the virus, thereby assisting in early diagnosis, treatment planning, and reducing the need for extensive laboratory testing.

❖ **Brain Tumor Prediction**

Utilized CNN to predict the presence of brain tumors from MRI scans, identifying whether a tumor is present or not, thereby aiding in early diagnosis, treatment planning, and reducing the need for invasive diagnostic procedures.

❖ **Casting Image Defect Identification**

Used CNN to identify defects in casting images to detect various imperfections such as cracks, blowholes, and inclusions in metal castings aiding in quality control and reducing manual inspection efforts.

❖ **WildLife Classification**

Used various machine learning models like KNN, Random Forest, Decision Tree to classify the wildlife species cheetah and tiger using their images.

❖ **Blood Bank Management System**

A Database project made for managing the database of blood bank using Oracle SQL and PLSQL for creating stored functions procedures and triggers.

❖ **Breast Cancer Prediction**

Prediction of Breast Cancer based on various factors using machine learning models such as KNN, Ensemble Learning including PCA of the dataset.

❖ **Attendance MIT**

A web app which functions on taking attendance by using QR codes by using HTML and CSS for Frontend Development and PHP and MySQL for backend Database Management.

❖ **Exam Conduct**

Made a GUI based java application for conducting exams in a more organized manner using Java Swings and AWT packages.

❖ **IPL Analysis**

Found out insights regarding IPL Matches by descriptive and exploratory data analysis using Pandas, Numpy, Seaborn and Matplotlib.

❖ **Employment Analysis**

Did a time series analysis on the employment status of individuals working in various sectors using seasonal decomposition methods.

❖ **Spend Calculator**

Analysis of expenditures made by customer in a customer store using scikit learn and clustering methods.

POSITION OF RESPONSIBILITY

❖ **Founder & President | BrahmaDhwani Dhol Tasha Pathak Manipal**

(Apr '23 - Present)

❖ **Senior Videographer | Manipal The Talk Network (MTTN)**

(Aug '22 - Present)

❖ **Assistant Film Director | Naqaab Filmmaking**

(Oct '22 - Present)

❖ **Organizing Committee Member | TechTatva**

(Jul '23 - Nov '23)

❖ **Driverless Systems Engineer (Task Phase) | Formula Manipal**

(Oct '22 - Dec '22)

❖ **Management Team Member (Task Phase) | Team Manipal Racing**

(Oct '22 - Dec '23)

ACHIEVEMENTS / HOBBIES

● Achieved Position In The Top 5% of The Data Science Branch Students

● Founded the First Dhol Tasha Club called "BrahmaDhwani" In MIT Manipal

● Filmed Revels, Utsav, Manipal Marathon as Official Filming Partner.