Yashu Ranparia

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EDUCATION

- **Chandubhai S. Patel Institute of Technology**, India **CGPA:9.54**
  BTech(Computer Science and Engineering),2025
  Coursework: Data Structure, Design, and Analysis of Algorithms, Operating System, DBMS

WORK EXPERIENCE

- **Flutter Developer Intern, Internauts Infotech LLP India** **Mar - Jun, 2023**
- Utilized Flutter to create cross platform mobile application with smooth user experience.
- Developed frontend modules and data services using existing database

- **Data Science Intern, Celebal Technologies India (current)** **May - Jul, 2024**
- Revised fundamental concepts in python, including the object-oriented programming.
- Actively learning functionalities of NumPy, Pandas and matplotlib and data visualization using R

PROJECTS

- **A Presentation Control System Using Hand Gestures** **Dec 2023 – Mar 2024**
- OpenCV, Python, PyQt5, Python-pptx modules
- Utilized OpenCV modules for tracking hand gestures and mapped it to unique operations.
- Utilized PyQt5 module to provide a GUI for this application.

- **Customer Segmentation - Clustering** **Sep 2023**
- Performed data preprocessing and analysis based on various segmentation factors.
- Used K-Means algorithm and Elbow method for measuring accurate value of K.
- Applied PCA as per dataset requirements which helps to gain accuracy of about 75%

- **Customer Churn Prediction - Classification** **Oct - Sep 2023**
- Dataset: Bank Customer Churn Prediction
- Followed the machine learning pipeline for building model with accuracy score of 85%-86%.
- Generated a comparison report for various models like Random Forest, SVM, KNN-classifier, etc.

- **Real Time Object Detection for Visually Impaired Person** **Jun - Oct, 2023**
- Python, Machine Learning Algorithm – YOLO, yolov8(nano) model, Kotlin, Flask
- Utilized the yolov8(nano) model for real time object detection using mobile phone camera
- Final output is in the Audio format by using Google-Text-To-Speech API

SKILLS

- Languages: Python, SQL , C++, Java
- Data Science: NLTK, NLP, Standard ML Algorithms(Regression, Classification, Clustering)
- Data Analysis: NumPy, Pandas, Matplotlib, Seaborn
- ML Frameworks & Libs: TensorFlow, Keras, Scikit-learn
- Developer tools: VS Code, Jupyter, Android Studio, GitHub

ACHIEVEMENTS

- **Solved 500+ problems** on Codechef(2 Star - 1536), Leetcode, CodeForces(1038)
- **NPTEL Certificate**: Data Structures and Algorithms using Python (Jan – March 2023)