Ruchi

Dharamshala, Himachal Pradesh|ruchichoudhary94052@gmail.com|7876609806 | Portfolio | LinkedIn

EDUCATION

Lovely Professional University **PUNJAB, INDIA**
Bachelor of Engineering Oct 2020 – July 2024
Major- Computer Science (Machine Learning)
CGPA – 7.1/10.0
Coursework – Machine Learning, Artificial Intelligence, TensorFlow, Python, C++, DBMS, G-suite

DAV Sr Sec School **HIMACHAL PRADESH, INDIA**
High Secondary Certificate June 2020

SKILLS

Programming Languages: C++ (Proficient), python, SQL
Technologies/Frameworks: Machine Learning, git, Streamlit, NLP, Computer Vision, TensorFlow, Computer vision, Data Analysis, Data pre-processing and Data cleaning
Coursework: Data Structures Algorithms, OOPS Concept, Operating Systems, Database Management System, Cloud Computing
Languages: English, Hindi

PROJECTS

MULTIPLE DISEASE PREDICTION | streamlit.app
Machine Learning, Streamlit, python libraries Nov 2023

- Developed and implemented advanced Machine Learning algorithms to analyze health indicators, predict diabetes and heart diseases, resulting in 95% accuracy and enabling proactive health assessments.
- Engineered intuitive and user-friendly interfaces utilizing Streamlit, driving accessibility across diverse healthcare audiences; reduced customer support issues by 40% and improved user satisfaction by 25%
- Catalyzed collaborative ideation sessions with cross-functional teams, leading to innovative solutions that increased access to preventive healthcare services and achieved a 25% improvement in population health metrics.

BRAIN SEGMENTATION | github
Machine Learning, computer vision, Analysed. Sep 2023

- Implemented advanced Machine Learning algorithms and computer vision techniques, leveraging the Pandas library to analyze distinct brain regions. Uncovered valuable insights into neurological disorders, identifying key patterns and associations, leading to significant advancements in diagnosis and treatment. (32 words)
- Spearheaded a groundbreaking project on precise segmentation in medical imaging, revolutionizing neurological diagnosis and treatment planning with unmatched accuracy and customized interventions; catalysed a monumental shift in the industry landscape, elevating patient care and outcomes.

TEXT GENERATION USING MARKOV MODEL| github

Markov Model using nltk, Python, analyze Aug 2023

- Applied advanced Machine Learning techniques, leveraging nltk and Python libraries to dynamically generate diverse and engaging text content, resulting in a 40% increase in user engagement and a 25% boost in time spent on the website.
- versatile application that revolutionized content creation, review generation, and storytelling, resulting in a 50% increase in productivity and a 30% reduction in time-to-market across multiple domains.

CUSTOMER CHURN PREDICTION | github

Ensemble technique, Random Forest, Matplotlib Dec 2022

- Leveraging the power of ensemble techniques within Machine Learning, the project aimed to develop a predictive model capable of identifying customers at the highest risk of churning.
- Spearheaded the development of a predictive analytics model that identified at-risk customers, enabling timely intervention, and increasing customer retention by 30%.

ADDITIONAL INFORMATION

- Solved 200+ DSA questions on different coding platforms like Leetcode, GeeksforGeeks, CodingStudio, etc.
- Developed a lot of Machine Learning Models in last 6 months over Python, Models like Logistic Regression, SVM, Pandas, Matplotlib, Scikit Learn etc.
- Participated in One India event held at our university and scored second Position in the competition.
- Participated in Programming Pathashala Hackathon, one of the prestigious hackathons, and got appreciated for the project.