PARTH DAVE

+91-9313662465 pjdave14@gmail.com
https://www.linkedin.com/in/parthdave333

SUMMARY

Motivated and results-driven Data Analyst skilled in machine learning, data analysis, and Python. Experienced in solving complex problems and extracting insights from data. Eager to contribute to innovative projects in a dynamic data science team. Excellent problem-solving abilities and a collaborative mindset, able to work effectively both independently and as part of a team.

KEY SKILLS

- **Python libraries**: Pandas, numpy, seaborn, matplotlib, sklearn, keras, tensorflow, Django, Flask Framework
- **Database**: SQL, MySQL, PostgreSql, MongoDb
- **Machine Learning**: Regression, Classification Data Visualization
- **AI Algorithms:** CNN, ANN ,Deep Learning , Natural Language Processing
- **Machine Learning:** Supervised and Unsupervised Learning, Regression, Classification, Clustering
- **BI Tools**: MS Excel, Tableau, Microsoft Power BI
- **Frontend Development**: HTML, CSS, Bootstrap, React JS
- **Backend Development**: JS(basics), Node JS, Express JS

Soft Skills:

- Critical Thinking
- Collaboration
- Adaptability
- Time management
- Quick Learner
- Respect & Support
- Problem-solving and collaboration
- Attention to detail and Analysis
- Asking questions and strategic planning
- Research and active learning

ACADEMIC PROJECTS

Project 1: Music Recommendation System using Sentiment Analysis **Feb 2024 - April 2024**

- Created "MUSIFY," a music recommendation system that leverages sentiment analysis to improve user experience by suggesting songs that align with the user's current mood.
- Implemented real-time emotion detection utilizing deep learning and computer vision technologies, incorporating OpenCV, Mediapipe, Keras, and TensorFlow.
- Increased user engagement with personalized music recommendations through a web-based interface developed using Streamlit.

Project 2: Osteoporosis Risk Prediction with Bone Fracture Classification **May 2024 - June 2024**

- Created a predictive model to evaluate osteoporosis risk using patient medical records, utilizing Random Forest algorithms for greater accuracy.
- Incorporated a Convolutional Neural Network (CNN) to categorize bone images as 'Fractured' or 'Not Fractured,' enhancing diagnostic precision.
- Developed an intuitive web application with Flask for smooth interaction and real-time predictions.

Project 3: Credit Card Fraud Detection **June 2024 - July 2024**

- Developed a machine learning model to detect fraudulent credit card transactions by preprocessing and normalizing transaction data, addressing class imbalance, and splitting the dataset for training and testing.
- Trained and evaluated classification algorithms, including logistic regression and random forests, using metrics such as precision, recall, and F1-score.
- Implemented techniques like oversampling and undersampling to enhance model performance.

Project 4: Hand Gesture VR Glove **June 2023 - September 2023**

- The "Hand Gesture VR Glove" project involved the development of a wearable device that interprets hand gestures to control virtual reality environments.
- Using an Arduino Leonardo and an MPU6050 module, the glove captures hand movements and translates them into actions within a VR space, leveraging Unity for the software interface.
- This project demonstrates expertise in hardware-software integration, motion sensing, and immersive technology applications.

WORK EXPERIENCE

Prodigy Infotech - Data Science Intern **July 2024 - August 2024**

As a Data Science Intern, I contributed to the analysis of complex datasets, developed predictive models, and produced actionable insights to support data-driven decision-making.

Webmigrates Technology LLP - Full Stack Web Developer Intern **May 2024 - June 2024**

Acquired experience in creating and managing both frontend and backend aspects of web applications, using various technologies to improve functionality and user experience.

EDUCATION

Bachelor of Information Technology (2025) **2021-2025**

Current CGPA : 8.12

12th HSC Board **May 2021**

Percentage : 87%

10th SSC Board(2019) **March 2019**

Percentage : 84.33%

CERTIFICATIONS

- Specialization in Natural Language Processing
- Python for Data Science and Machine Learning Bootcamp
- Principles of UX/UI Design
- Building a Dynamic Web App using PHP & MySQL
- Building Web Applications in PHP

CONTRIBUTION

- Acted as a **Core member** of the **Cultural Community** at **P P Savani University**, contributing to the planning and execution of various cultural events and activities.
- Took an **Active role** in the **Codethon** at **P P Savani University,** demonstrating coding skills and problem-solving abilities in a competitive setting.
- Serving as **Treasurer** for the **Drishya Videographers Club**, managing financial transactions and overseeing budget allocations.

HOBBIES

- making Hiphop music
- Writing shayaris and poems
- Gaining knowledge of the newest technologies
- Setting up connections
- Performing live on stage
- Travelling with friends
- Listening to music
- Fitness activites