Bhanu

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Vision!

"Leveraging my analytical and programming skills, I create custom dashboards to **automate data analysis, streamline decision-making** and **drive significant growth for businesses**".

Technology Stack

Programming Languages: C++, Python, **R**

Software: Microsoft Excel, **Microsoft Power BI**

Database: **SQL**, MongoDB

Libraries: Pandas, Numpy, Matplotlib, **Sklearn**, Scipy, Opencv

Cloud: AWS

Education

Dev Bhoomi Uttarakhand University, B.Tech in Computer Science and specialisation in **Artificial Intelligence and Machine Learning**   Aug 2021 – present

- Aggregate GPA: 9.67/10.0 (Transcript)
- **Coursework:** Computer Architecture, Artificial Intelligence, Machine Learning, Data Structure and Algorithms, Database Management System, Object Oriented Programming

D.A.V Centenary Public School Narela, Intermediate - 12th   March 2020 – July 2021

- Percentage: 91.6

D.A.V Centenary Public School Narela, High School - 10th   March 2018 – April 2019

- Percentage: 91.4

Experience

SAR Image Colorizer   June 2023

- Problem: SAR (Synthetic Aperture Radar) images are blurred and in black and white form so it is challenging to predict or analyze that image.
- Objective: Create an AI Model that accepts SAR (Synthetic Aperture Radar) images from satellites and colors them for better analysis by the researchers.
- Responsibilities:
  - Worked in a team of 4 as an AI Researcher and AI Developer.
  - Developed AI Model and its pipeline
  - Discuss with the team to determine Functionalities and Dependencies
  - Debugging and testing support
- Tools used: Python, React + Vite, Flask, Rest-API, AIML, Image Processing, CNN

Sales Performance Analyzer   April 2024

- Problem: Large volumes of data are underutilized and not analyzed, leading to missed insights and opportunities for business improvement.
- Objective: Develop a sales performance dashboard to enable effective analysis of pizza sales data and provide actionable insights.
- Solution: Create an interactive pizza sales dashboard with dropdown filters, date range selection, key metrics, and various visualizations (bar, line, donut, and filter charts) to analyze sales performance by category and trends over time.
- Tools used: Microsoft Power BI and its visualtisation tools and functions

IPL Statistic Analysis   Nov 2023

- Problem: Users struggle with multiple tabs and complex navigation to find IPL match statistics.
- Objective: Develop a unified dashboard for easy and efficient IPL match data retrieval and analysis.
- Solution: Scraped cricket data using Beautiful Soup, stored it in SQL Server, and integrated it into Power BI to create a dashboard with KPIs, visualizations of winning margins, and slicers for team-based match statistics analysis.
- Tools used: Web Scrapper, SQL Server Database, Microsoft Power BI

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Patent

A Robotic System for supporting lymphatic function   July 2023

Prof Dr. Ritika Mehra, Ast Prof Govind Singh Panwar,***Bhanu***, Akshat Bora, Priyanshu Bhatt, Nikhil Matta

Field of Invention: Electronics/Application Number: 202311040147/Publication Number: 28/2023

Abstract: The Robotic System, equipped with an upper-body exoskeleton and McKibben hydraulic muscles, improves strength and dexterity by simulating human movements. It leverages AI and machine learning for personalized interactions, and includes image encoding, speech recognition, face recognition, and emotion detection.

Certifications

AWS Certified Cloud Practitioner   Feb 2024

- Amazon Web Services, AWS, AWS Certification, AWS Cloud, Cloud Certification, Cloud Computing, Cloud Platform, Cloud Services
- Tools Used: AWS Cloud, AWS Services

Microsoft Certified Power BI Data Analyst Associate   Feb 2024

- Prepare the data, Model the data, Visualize and analyze the data, Deploy and maintain assets
- Tools Used: Microsoft Power BI

Certified in Artificial Intelligence by IT Specialist   Aug 2023

- Data Cleaning, Data Preprocessing, Machine Learning, Artificial Intelligence

Microsoft Certified Azure Data Fundamentals   Nov 2022

- Data Basics, Analytics, Description on core concepts of data

Microsoft Certified Azure AI Fundamentals   May 2022

- Artificial Intelligence and workloads, fundamental principles of machine learning, features of computer vision workloads, processing(NLP) workload

Additional Experience And Awards

First Position in NAVDHARA (May 2023): Awarded 1st prize for the best innovative and live working project out of 150 contests from Dehradun and Chandigarh

First Prize, Inter-University Hackathon (Oct 2023): Awarded 1st prize for the best coding solution out of 100 entries from Dehradun