

BHARADWAJ PUTREVVU

CONTACT

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PROFESSIONAL SUMMARY

A data-driven professional with demonstrated ability in developing intelligent solutions and delivering actionable insights, acquired through impactful internships and projects. Proficient in creating interactive dashboards using Power BI for workforce management and performing robust data analytics with Python. Skilled in building AI-powered customer support chatbots with Langchain and Redis to enhance efficiency and accuracy. Possesses expertise in machine learning model development for predictive analytics, as evidenced by the blood donation prediction project. Eager to leverage technology for optimizing operations and improving decision-making.

WORK HISTORY

Data Analyst Intern, Miniorange Security Services

Pune, India | January 2025 - May 2025

Project Link: chatbot.miniorange.in

AI Chatbot Development

- Spearheaded the development of a comprehensive customer support chatbot using Langchain chains, Amazon Bedrock LLM, and a Redis database, significantly enhancing self-service capabilities for setup guides, troubleshooting, and technical assistance.
- Fine-tuned the Large Language Model (LLM) with proprietary custom data, ensuring responses were precisely aligned with MiniOrange services and information, thereby improving accuracy and reducing reliance on generalized knowledge.
- Implemented advanced features including conversation-based chat and dynamic URL generation within text responses, delivering a highly interactive and efficient support experience.

Data Analyst Intern, MedTour Easy

Remote | April 2024 - June 2024

project Link: https://github.com/Bharadwaj422/Predict_blood_Donor

Blood Donation Predictor

- Developed a robust machine learning model to predict repeat blood donations, directly addressing the challenge of fluctuating donation rates.
- Conducted in-depth donor data analysis to extract critical features for prediction and insights.
- Automated the entire machine learning pipeline, from data preprocessing to model selection, using the TPOT library, significantly enhancing efficiency and model performance.

Data Analyst Intern, Vault of Codes

Remote | January 2024 - April 2024

project Link: <https://github.com/Bharadwaj422/Restaurant-database-Analysis>

Restaurant Data Insights

- Analyzed and visualized restaurant data to identify key trends, including top cuisines, price range distributions, and average restaurant ratings.
- Transformed unstructured datasets and generated insightful visualizations using Python functions.

SKILLS

Programming & Databases:

- Python
- SQL
- Redis

Machine Learning & AI:

- Machine Learning
- Natural Language Processing (NLP)
- Large Language Models (LLMs)
- Fine-tuning
- Retrieval-Augmented Generation (RAG)
- Chatbot Development
- Langchain
- Hugging Face
- Ollama

Data Analytics & Visualization:

- Data Analytics
- Power BI
- Data Visualization
- Analytical Reasoning
- Data Cleaning
- Data Wrangling

EDUCATION HISTORY

B. Tech: CSE-Data Science

08/2020 - 05/2024

Raghu Institute of Technology - Visakhapatnam, India

GPA: 7.97 CGPA

Board of Intermediate Education

06/2018 - 04/2020

NRI Junior College - Visakhapatnam, India

GPA: 8.5 CGPA

Secondary School of Education:

04/2018

NRI Indian Springs - Visakhapatnam, India

GPA: 9.5 CGPA

CERTIFICATION

- Google Data Analytics (Google)
- Pega Senior System Architect (Pega)
- Pega System Architect (Pega)
- NPTEL Python for Data Science (NPTEL)
- Introduction to Databases (NxtWave)
- Data Analytics using PowerBI (NxtWave)
- Data Analytics Foundations (NxtWave)

ACHIEVEMENTS

- A Scopus research paper on Healthcare monitoring system
- An IJRASET research paper on Data Analytics using Power BI

PROJECTS

Employee Tracking System using Power BI

Project Link: <https://github.com/Bharadwaj422/Employee-Monitoring-System->

02/2024 - 03/2024

- Interactive Employee Monitoring Dashboard: Developed a multi-page dashboard providing insights into employee attendance, skillsets, and project assignments. Enabled data-driven workforce management by tracking attendance patterns, identifying skill gaps, and optimizing project allocations. Delivered actionable insights through clear visuals, supporting informed decisions on employee engagement, skill development, and resource management.

Travel Booking System using Pega

01/2024 -02/2024

- Developed a case type to collect user data and recommend travel packages based on user preferences.
- Implemented two trip options: predefined trips and customized trips.
- Integrated trip cancellation flow with user authentication.