BHARADWAJ PUTREVU

CONTACT

- Location : Visakhapatnam
- Contact Number : 7013672469
- Portfolio : bharadwaj422.github.io/Portfolio/
- MailId : krishnabharadwaj422@gmail.com
- LinkedIn : linkedin.com/in/bharadwajputrevu
- Github : https://github.com/Bharadwaj422

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.

BHARADWAJ PUTREVU

Data Analyst

Ph: 7013672469   Email: krishnabharadwaj422@gmail.com   LinkedIn:linkedin.com/in/bharadwajputrevu   Loc: Hyderabad

SUMMARY

A data-driven professional with a strong foundation in AI, machine learning, and data analytics. I bring hands-on experience developing intelligent, LLM-powered chatbots using LangChain, Amazon Bedrock, and Redis—focused on improving customer support through automation and contextual responses. My internship work includes fine-tuning language models with proprietary data. Additionally, I have experience in data analysis and visualization using Python and Power BI, enabling actionable business insights. Passionate about using ML and conversational AI to enhance decision-making and optimize operations.

EXPERIENCE

Data Analyst Intern

Mini Orange   📍 Pune, India

📅 01/2025 - 05/2025

- Contributed to AI-driven enterprise solutions by developing a secure and scalable customer support chatbot leveraging LangChain, Amazon Bedrock LLM, and Redis, enabling intelligent self-service and reducing manual workload.
- Fine-tuned foundational LLMs using organization-specific knowledge bases, ensuring MiniOrange-aligned, accurate, and context-aware responses tailored to support queries.
- Integrated advanced features such as conversation history management and dynamic URL generation, significantly improving user engagement and operational efficiency.
- Collaborated closely with cross-functional teams to deploy and monitor the chatbot, gaining hands-on experience in AI pipelines, prompt engineering, and LLM evaluation.

Data Analyst Intern

MedTour Easy

📅 04/2024 - 06/2024   📍 Remote

Company specializing in healthcare solutions and data-driven insights

- Developed a robustmachine learning model to predictrepeat blood donations, directly addressing the challenge of fluctuating donationrates
- Conducted in-depthdonor data analysisto extract criticalfeatures for prediction and insights
- Automated the entire machinelearning pipeline, from data preprocessing to model selection, using the TPOT library, significantly enhancing efficiency and model performance

Data Analyst Intern

Vault of Codes

📅 01/2024 - 04/2024   📍 Remote

Company focused on delivering innovative coding solutions and data analysis

- Analyzed and visualized restaurant data to identifykey trends, including top cuisines, price range distributions, and average restaurant ratings
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EDUCATION

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Board of Secondary Education

Indian Springs, GPA: 9.5 CGPA

📅 04/2018   📍Visakhapatnam, India

KEY ACHIEVEMENTS

Healthcare Monitoring Research Paper

A Scopus research paper on Healthcare monitoring system

Data Analytics Research Paper

An IJRASET research paper on Data Analytics using Power BI

SKILLS

LangChain   Fine-tuning   NLP

Conversational AI   NLP   Pega

AI/ML Deployment   Python   Redis

LLMs   SQL   Data Analytics

PROJECTS

Employee Tracking System using Power BI

- Developed a multi-page dashboard providing insights into employeeattendance, 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

CERTIFICATES

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