Priyansh Anant Patre

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LinkedIn | GitHub

Education

- **B.Tech in Computer Science Engineering**
  CGPA: 7.82   **2021-2025**
  Vellore Institute of Technology, Bhopal

Certifications

- **Google Data Analytics**
  Google   **2023-2024**
  View Credentials

- **AWS Certified Cloud Practitioner**
  Amazon Web Services   **2024**
  View Credential

Projects

- **MedBot: A medical advice chatbot exploiting open source large language models**
  GitHub
  Developed an AI-powered medical chatbot ("MedBot") integrated with LangChain and Pinecone, enabling real-time, context-aware responses using vector search over medical documents. The system leverages advanced language models for natural dialogue and Pinecone's vector database for efficient semantic retrieval. Implemented robust indexing of medical texts and deployed conversational querying, enhancing user interaction for health-related information access.
  Technologies: Python, Retrieval Augmented Learning (RAG), LangChain, Pinecone, LLaMA.

- **Localised Smart AQI & Weather Prediction Web-App**
  GitHub | Web-app
  Developed a predictive model using Facebook Prophet, achieving an impressive 80% accuracy in forecasting the Air Quality Index (AQI) and weather conditions. The project prototype involved scraping and processing weather and AQI data from various websites. This initiative aimed to provide critical environmental data in an intuitive manner, helping users make informed decisions about their health and outdoor activities.
  Technologies: Python, Facebook Prophet, Streamlit, Google Sheets.

- **Texas Death Row Dashboard**
  Dashboard
  Created an interactive Tableau dashboard that analyzes trends related to Texas Death Row, such as execution statistics, demographic information, and case outcomes. By leveraging SQL for data extraction and manipulation, enhanced the reporting capabilities, allowing stakeholders to visualize complex data intuitively. The dashboard significantly improved decision-making processes by providing key insights into systemic issues and facilitating discussions on criminal justice reform. *Technologies: Tableau, SQL.*

Skills

- **Languages:** Python, C++, Java | **Database:** SQL | **Visualization:** Tableau | **Cloud:** AWS
- **Languages spoken:** Marathi, Hindi, English

Hobbies

- Programming (Python, SQL) | Reading | Photography and Photo-editing | Video-Editing

Volunteering

- **Core Member, PR & Outreach, AI Club**
  VIT, Bhopal   **2023-2024**
  Coordinated and executed successful tech talks, workshops, and competitions, engaging 200+ attendees, fostering a collaborative learning environment.
  Tenure Certificate