

VARSHA THEJES S R

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PROFILE

A highly motivated fifth-year M.Sc Data Science (Integrated) student with experience in the quantitative analysis of data and SQL proficiency. Proactive team player at identifying patterns, trends, and insights from complex data sets. Enthusiastic and performs well under pressure.

EDUCATION

M.Sc DATA SCIENCE (INTEGRATED), Coimbatore Institute of Technology **2020 – present**
CGPA - 8.24/10 (Till 7th Sem)

HSC, Bharatiya Vidya Bhavan Higher Secondary School **2019 – 2020**
Pass Percentage: 64%

SSLC, St.Francis Anglo Indian Girls High School **2017 – 2018**
Pass Percentage: 87.4%

SKILLS

Python | MySQL | Oracle | PowerBI | MongoDB | Scikit-Learn | TensorFlow | LangChain | OpenCV | Git

EXPERIENCE

AI/ MACHINE LEARNING INTERN **09/2023-02/2024**
DATAVISS ANALYTICS

- **Vehicle Part Detection:** Developed a Deep Learning model using object detection techniques to automatically identify vehicle parts, achieving 80% accuracy for each part detected.
- Managed the data annotation process and data collection for training the model.
- **Chatbot Implementation:** Created a chatbot that retrieves data from MongoDB using LangChain and OpenAI's GPT-3 model, improving data accessibility and reducing query retrieval time by 50%.
- Presented findings to stakeholders through reports, driving data-driven decision making. Mentored junior team members and collaborated cross-functionally to ensure thorough analysis.

DATA ANALYST INTERN **07/2023-09/2023**
FEDERAL BANK - ANALYTICS DIVISION

- **Portfolio Analysis:** Utilised data mining algorithms to identify and classify patterns in data, with a focus on BFSI.
- Analyzed Federal Bank's product portfolio using PowerBI to identify trends in transaction volumes and deployment of ATMs and POS machines.

INTERESTS

- SQL and DBMS
- Probability and Statistics
- Data Analysis and Visualization
- Machine Learning and Deep Learning

PROJECTS

Real Time Facial Recognition Attendance System ([Project](#))

- Real-Time Facial Recognition Attendance System: Designed a machine learning model using Python, OpenCV, and Firebase for real-time data processing and storage.
- Integrated Firebase Realtime Database and Storage for managing student data and images, with face recognition handling face encoding and matching to track attendance.

MongoDB LLM Chatbot ([Project](#))

- Constructed a Q/A system with LangChain, integrating MongoDB for storage and OpenAI language models for semantic processing.
- The system loads text files into a MongoDB collection, creates embeddings for similarity search, and uses Gradio to interact with users via a web interface.

Bank Portfolio Dashboard ([Project](#))

- Visualized Bank's product portfolio using PowerBI, focusing on trends in ATM and POS deployment, and transaction volumes.
- Developed data pipelines to streamline the analysis process and compared its transaction volumes with competitors like HDFC Bank.

CERTIFICATIONS

- Presented Paper titled [Customer Complaint Analysis](#) in Srishti(Airos) at PSG Tech College, Coimbatore .
- Participating actively in brainstorming workshop [Internet Of Things](#) conducted at IIT MADRAS RESEARCH PARK.