

Vikraman T



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LinkedIn



GitHub

Experience

Nissan Digital India

July 2024 – Feb 2025

Data Analyst Intern

Trivandrum, Kerala

- Performed end-to-end ETL and data analysis on outsourced projects, enabling the internal team to improve tools and workflows.
- Automated data pipelines using Python and SQL, reducing manual effort by 30%, and built Power BI dashboards to present insights to stakeholders.
- Contributed to machine learning model development and optimization for predictive business analysis.
- Collaborated in Agile sprints with cross-functional teams to iteratively deliver impactful data-driven solutions.
- Developed an internal skill management system for 400+ employees, improving tracking efficiency by 40%.

Valsco Technology

June 2023 – Nov 2023

Android App Developer

Vellore, Tamil Nadu

- Built Android app using **Flutter** and **Firebase** with secure auth, real-time updates, and API integration.
- Improved response time by **20%** and boosted engagement by **15%** via push notifications and cloud functions.
- Implemented **dark/light themes** and efficient **state management** for a smooth, customizable UX.

Education

Vellore Institute of Technology

2020 – Present

M.Tech (Integrated) in Computer Science with Data Science (CGPA: 8.11/10.00)

Vellore, Tamil Nadu

Senior School Certificate Examination

2018 – 2020

Maharishi Vidya Mandir (86.2%)

Chennai, Tamil Nadu

Secondary School Examination

2018

Maharishi Vidya Mandir (88.2%)

Chennai, Tamil Nadu

Projects

Emotion Detection from Audio | Python, TensorFlow

- Built a deep learning-based emotion detection system with over **85% accuracy** using speech signals.
- Employed **TensorFlow**, **Keras**, and **LibROSA** for preprocessing and feature extraction.
- Implemented robust **NLP and signal processing techniques** for classifying emotions in noisy environments.

DataQueryAI | Python, Streamlit, ChromaDB, LM Studio, Mistral 7B, Hugging Face

- Developed an AI-powered data analysis tool that enables querying CSV, JSON, and Excel files using natural language.
- Integrated Retrieval-Augmented Generation (RAG) with LM Studio and Mistral 7B for intelligent document retrieval and contextual responses.
- Built a streamlined UI with Streamlit, using ChromaDB and Hugging Face embeddings for efficient vector search and indexing.

Blind Person Guidance – BLIND.AI | Python, Flutter, Flask, YOLOv5, Twilio, Google Vision API

- Developed a voice and gesture-based assistive app using **Flutter** and **Flask** for visually impaired users.
- Used **YOLOv5** for real-time object detection and Random Forest for currency recognition.
- Enabled live text reading (Google Vision API) and SOS alerts (Twilio) for emergency assistance.

Technical Skills

Programming Languages: Python, C++, Java, SQL, Dart, JavaScript, Solidity

Frameworks and Libraries: Flutter, React.js, Spring Boot, OpenCV, NumPy, Pandas

Machine Learning and AI: TensorFlow, Keras, scikit-learn, PyTorch

Generative AI & LLM Tools: LM Studio, Hugging Face Transformers, Mistral 7B, ChromaDB, RAG (Retrieval-Augmented Generation)

Cloud and DevOps: AWS, Firebase, Heroku

Developer Tools: VS Code, Git, Jupyter, PyCharm, Postman

Certifications

- **Artificial Intelligence Fundamentals** 2025
IBM
- **Python for Data Analysis** 2025
Great Learning
- **Microsoft certified security, compliance and identity fundamentals** 2023
Etrain India

Additional Experience

FreeLance Nov 2024– Present

Power Apps Developer & Business Data Analyst

- Developed Power Apps solutions, including dashboards for manufacturing production sheets.
- Automated order population from email inboxes and enhanced reporting processes.
- Provided data analysis and insights for business decision-making.
- Created custom Power Automate flows to automate repetitive business tasks, reducing manual effort by 30%.
- Integrated SharePoint and SQL databases for seamless data retrieval and storage.

Personal Development

- Attended **Micronaut Workshop** at Nissan Digital India (NDI), gaining theroetical knowledge on building cloud-native microservices using the Micronaut framework.
- Actively solving problems on **LeetCode**, focusing on **Data Structures and Algorithms**.
- Solved **180+ problems** across various difficulty levels, improving problem-solving skills.
- Strengthening **time complexity analysis** and optimizing algorithmic efficiency.