

Sana Zaffira

IT & Business Analyst / Full Stack Developer / Data Enthusiast

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Tamil Nadu, India

Professional Summary

Dynamic IT professional with a B.E. in Computer Science and a business-focused mindset backed by an MBA in Systems, combining strong technical capabilities with business insight. Experienced in building full-stack web applications using React, Django, and SQL, and in performing end-to-end data analysis through Power BI, Python, and cloud-based tools. Skilled at analyzing complex problems, optimizing workflows, and aligning technology with business goals. Adept at working across cross-functional teams to design scalable solutions that improve performance, support decision-making, and drive organizational efficiency.

Experience

Full-Stack Developer Intern — VDart, Trichy, TN

DEC 2024 – FEB 2025

- Live Project - Developed responsive web applications using React, Django, Tailwind.
- Integrated SQL databases and REST APIs to fetch, process, and display dynamic content.
- Collaborated in Agile team settings, participated in design discussions, and debugged application issues.
- Practiced Git version control and followed structured testing and deployment practices.

Data Analyst Intern — VDart, Trichy, TN

SEPT 2024 – DEC 2024

- Migrated legacy systems to cloud-compatible formats using SQL and Python (Pandas).
- Created data reports and dashboards using Power BI to support business decisions.
- Conducted root cause analysis on data integrity issues and proposed automation solutions.

Education

MBA in Systems — Bharathidasan University

2023 – 2025 (Final Exams Completed)

B.E. in Computer Science — MIET Engineering College

2018 – 2022 | CGPA: 8.43

Skills

Languages: Python, SQL, C, HTML/CSS

Databases: MySQL, MS SQL Server, Google BigQuery (learning)

Tools: Git, Power BI, Apache Airflow (learning), dbt (learning)

Frameworks/Libraries: Django, React, Tailwind CSS, Bootstrap, jQuery, Pandas, NumPy, TensorFlow, Matplotlib

Soft Skills: Problem Solving, Time Management, Collaboration, Communication, Attention to Detail, Adaptability

Projects (Relevant Exposure)

YOUTUBE DATA PIPELINE PROJECT (ONGOING)

Tools: YouTube API, Airflow, dbt, BigQuery, Power BI

- Built an automated ETL pipeline using Python, YouTube API, and Apache Airflow.
- Processed and analyzed user data, generating insights for Power BI visualization.

ASL RECOGNITION SYSTEM USING CNN

Tools: TensorFlow, OpenCV

- Created a deep learning model using TensorFlow to classify sign language gestures.
- Performed image pre-processing, trained CNN layers, and validated model accuracy.

E-COMMERCE WEBSITE FOR PRODUCT AND SERVICE (MBA PROJECT)

- Developed a **role-based system** using **Python and MySQL** for admin, seller, and buyer functionalities.
- Implemented secure backend logic, booking workflows, and admin panel reporting.

Certifications

- IBM Data Science Professional Certificate from Coursera (*Ongoing*)
- The Complete Full-Stack Web Development Bootcamp from Udemy

Conferences and Workshops

- Presented a technical paper on "Sign Language Recognition using Machine Intelligence" at the National Conference on Emerging Trends in Engineering and Design Manufacturing.
- Attended workshops on Data Science, Python, and PHP programming.