SHIVANI

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PROFILE

Aspiring data analyst with a strong foundation in data analytics and problem-solving. Familiar with tools like Excel, SQL, Python, and Power BI for data manipulation, visualization, and reporting. Passionate about uncovering insights, optimizing processes, and supporting data-driven decision-making. Eager to learn, grow, and contribute to a dynamic organization by applying analytical skills to real-world datasets.

WORK EXPERIENCE

INTERN - HINDUJA GLOBAL SOLUTION LIMITED (BENGALURU)   **JUNE 2024 - AUG 2024**

Developed a prototype using Arduino Uno, PIC16F877A, and C programming for real-time ECG, EMG, and acoustic sensor data acquisition.
Designed and implemented sensor interfacing, data processing, and LCD display (16x4) without I2C.
Simulated and tested the system in Proteus, ensuring accurate biomedical signal monitoring.

EDUCATION

SETHU INSTITUTE OF TECHNOLOGY   **2021 - 2025**

B.E
Electronics And Communication Engineering

PROJECT
Fetal Monitoring Device:

Description :A fetal monitoring device that accurately tracks and differentiates between maternal and fetal heart rates using ECG, EMG, and acoustic sensors. It provides real-time, non- invasive monitoring, ensuring reliable data for improved maternal and fetal health assessment.

SKILLS

- Data Analysis & Visualization
- SQL & Database Management
- Python (Pandas, NumPy, Matplotlib, Seaborn)
- Business Intelligence (Power BI, Tableau)
- Data Cleaning & Preprocessing
- Excel (Pivot Tables, Macros)
- Dashboard Development & Reporting

CERTIFICATIONS

- Finalist in the IIITB (ACCS) competition for project presentation.
- Awarded for an idea presentation at EIMR Bangalore.

LANGUAGES

Tamil | Native
English | Professional