ANAND Y

📞 +91-9585095541 ✉ anandarvind444@gmail.com 🔗 LinkedIn

EDUCATION

Er.Perumal Manimekalai College OF Engineering   **2021 – 2025**
*Bachelor of Technology (IT) – **CGPA: 7.7***   *Hosur, T.N*

Swami Vivekananda Higher Secondary School   **2020 – 2021**
*High School (PCMC) – **Percentage: 83%***   *Bagalur, T.N*

ST.Anne's Matric.School   **2018 – 2019**
*10th – **Percentage: 75%***   *Bagalur, T.N*

TECHNICAL SKILLS

Programming Languages: Python (OOPs, Functional Programming, File Handling, Exception Handling)

Data Analysis: Python libraries (NumPy, Pandas, Seaborn)

Data Visualization:

- **Power BI:** Data Import, Cleaning, Transformation (Power Query), Data Modelling, Star Schema, Visualization, DAX, Interactive Dashboards.
- **Microsoft Excel:** Data Cleaning, Power Query, Macros (Basics), VLOOKUP/HLOOKUP, Pivot Tables, Charts.

Databases: SQL (CRUD Operations, Joins, Subqueries, Views, Functions, Normalization, MySQL, SSMS, ETL Basics)

Web Technologies: HTML5 (semantic tags), CSS3 (flexbox, grid, responsive design), JavaScript (ES6+, DOM, event handling)

PROJECTS

HR Attrition Analysis

- Cleaned and transformed data using Power Query and created calculated measures with DAX.
- Used Excel for data cleaning and Power BI for DAX, data modelling, and visualization.
- Analyzed employee turnover to identify key factors impacting retention.
- Built an interactive Power BI dashboard showing tenure, salary distribution, satisfaction, job roles, and work–life balance.
- Outcome: Provided actionable insights to help HR improve retention strategies.

Drowzy-Alert And Fatigue Detection

- Technologies: Python, OpenCV, Dlib, Raspberry Pi, Machine Learning .
- Developed an AI-based real-time driver drowsiness detection system using **computer vision** and **deep learning** to enhance road safety.
- Implemented **facial landmark detection** and **Eye Aspect Ratio (EAR)** algorithms to monitor eye blinks, yawning, and head posture for fatigue detection.
- Designed a **non-intrusive, low-cost** solution compatible with standard cameras and embedded devices (Raspberry Pi).

INTERNSHIP

Test Yantra Software Solutions India Pvt Ltd.🔗   **July 2025**
Role:Data Analyst Intern   *Bengaluru, K.A*

- Collected, cleaned, and analyzed large datasets using **Python (Pandas, NumPy)** and **Excel** to identify key trends and patterns.
- Created **interactive dashboards** and **visual reports** using **Power BI / Tableau**, improving decision-making efficiency.
- Applied **statistical techniques** and **data visualization** to generate actionable insights for business improvement.
- Documented findings and presented data-driven recommendations to stakeholders for process optimization.

CERTIFICATIONS

- *SQL&DatabaseExpertCertification–HackerRank.*
- *PythonBasicsCertification–HackerRank.*