

MANOJ MANOHARAN

7010183162 | manoharan.manoj08@gmail.com | [LinkedIn](#) | [Portfolio](#) | [Github](#) | [Kaggle](#)

WORK EXPERIENCE

KultureHire

Remote

Data Analyst Intern

Feb 2024 - Aug 2024

- **Built** interactive dashboards with **Excel** and **Power BI**, boosting efficiency by **20%** and accuracy by **25%**.
- **Maintained SQL databases**, improving query speed by **15%** and analysis efficiency.
- **Automated** workflows with **Python**, cutting manual tasks by **30%** and increasing accuracy by **20%**.

Momani Diesels

Port Blair, A & N Islands

Assistant Service Engineer

Sept 2020 - Dec 2023

- **Created** and maintained financial reports using **MS Excel**, enhancing reporting accuracy and efficiency by **25%**.
- **Supervised staff** to improve productivity and ensure smooth operations.
- **Connected with potential customers**, increasing product bookings by **15%**.

EDUCATION

Bharath Institute of Higher Education & Research

Chennai, India

Bachelor of Technology in Mechanical Engineering

Aug 2016 - Aug 2020

- **CGPA 7.36**

SKILLS

Languages : Python, R

Databases : MySQL, PostgreSQL, SQL Server

Data Analysis : Advanced Excel(Pivot Tables, VLOOKUP, Macros & VBA), Python(Pandas, NumPy)

Data Visualization : Power BI(DAX), Tableau, Matplotlib, Seaborn, Plotly, Vega-Altair, ggplot2

Machine Learning : Scikit-Learn, Natural Language Processing(NLTK)

Soft Skills : Communication, Critical Thinking, Team work, Problem Solving.

Projects

Credit Card Fraud Detection Model. [Link](#)

Mar 2024 - April 2024

- **Developed** a fraud detection model that cut false positives by **25%** using **Near Miss** and **SMOTE** on **284,807** transactions.
- **Enhanced** model reliability by **30%** through **cross-validation**, improving fraud detection by **37%** with an **AUC-ROC** of **0.92** and an **F1 score** of **0.88**.
- **Optimized** fraud detection time by **15%**, improving accuracy by **22%**, driving better decision-making for financial institutions.

Laptop Price Predictor. [Link](#)

Feb 2024 - Mar 2024

- **Improved** pricing accuracy by **12%** using a model built on **6 key features** and market trends.
- **Engineered 13 features**, delivering **20% better insights** for competitive pricing.
- **Boosted** model performance by **18%** through **Optuna-tuned Random Forest** and **XGBoost**, enabling precise pricing decisions.

EDA on Video Games Sales. [Link](#)

Jan 2024 - Feb 2024

- **Identified trends** in video game sales across **5 regions** and **12 genres** to guide marketing strategies.
- **Visualized** sales performance using **Vega-Altair**, highlighting **top 3 platforms** and regions for market positioning.
- **Identified** potential strategies to boost sales by **15%** based on consumer preferences.

Certifications

Python For Data Science & Machine Learning Bootcamp. [Link](#)

Sept 2023 - Oct 2023

SQL Basic, Intermediate & Advanced(Hackerrank). [Link](#)

July 2023 - Oct 2023

Tableau for Data Science. [Link](#)

Mar 2022 - April 2022

Google Data Analytics. [Link](#)

Aug 2021 - Feb 2022