

# Nandhini Maran

## Data Scientist

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in LinkedIn

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Portfolio

📍 Tirupur

## PROFESSIONAL SUMMARY

Experienced in the textile industry and web research, now transitioning into Data Science. Proficient in **Python, SQL, NLP, Data Visualization**, with expertise in **machine learning, predictive analytics, and data preprocessing**. Passionate about leveraging **AI/ML** to drive insights and business decisions.

## SKILLS

Programming Languages & Tools:

- **Python, SQL**

Machine Learning & AI:

- **TensorFlow, Scikit-learn**

Databases & Querying:

- **MySQL**

Data Visualization:

- **Tableau, Power BI, Matplotlib, Seaborn**

Statistical & Analytical Skills:

- **Regression, Classification, Clustering**

Cloud & Deployment:

- **Flask, Google Colab**

Deep Learning

Natural Language Processing

EDA

Data Cleaning

Excel

## EDUCATION

**Master's Degree in Computer Application**

CEDSAI Institute

2023 - Present | Tirupur

**Bachelor's Degree in Computer Application**

Tiruppur Kumaran College for Women

2018 - 2021 | Tirupur

## LANGUAGES

ENGLISH

TAMIL

## WORK EXPERIENCE

### Infynd

Data Analyst (Web Researcher)

2023 - 2024 | Coimbatore

- **Data Management & Cleaning:** Maintained **large datasets**, ensured **accuracy**, and performed **data cleaning** tasks like **removing duplicates** and **handling missing values**.
- **Data Analysis & Insights:** Assessed **data quality** for **market research**, extracted **insights**, and processed **large datasets** to enhance **lead generation** strategies.

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Sales Executive

2021 – 2023 | Tirupur

- **Sales & Customer Service:** Advised **customers** on **textile selection**, provided **recommendations**, and achieved **sales targets**.
- **Inventory & Billing:** Managed **stock levels**, arranged **displays**, processed **transactions**, and built **customer relationships** for **repeat sales**.

## PROJECTS

### Diabetes Classification

- **Built a machine learning models** to classify **diabetes stages** (0, 1, or 2).
- Techniques: **Data cleaning**, **SMOTE** for **class balancing**, and models including **LightGBM** and **XGBoost**.
- **LightGBM** achieved **84% accuracy** and **0.70 AUC ROC**.

### Life Expectancy and BMI Prediction

- **Predicted Life Expectancy and BMI** using **multi-output regression models**.
- Techniques: **Data preprocessing**, **PCA** for **dimensionality reduction**, and models like **Random Forest**, **SVR** and **AdaBoost**.
- Achieved an **R<sup>2</sup> score of 0.89** for **Life Expectancy** using **Random Forest**.

## CERTIFICATES

**Pg programme in Data Science with Data Analytics and AI**

PeopleClick Learning

Jul 2024 – Jan 2025 | Coimbatore

**Data Visualization with PowerBI**

Great Learning

**Tally Erp 9, MS Office**

Appollo Computer Education LTD

2017 | Tirupur