

# MANIKANDAA S

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[LinkedIn](#) | [Portfolio](#) | [Github](#)

## Executive summary

Aspiring Data Engineer with a strong technical background in Big Data technologies (Hadoop, PySpark), SQL, and Python. Passionate about designing ETL pipelines, optimizing data workflows, and transforming raw data into structured formats for analytics. Seeking an entry-level Data Engineering role to apply skills in distributed computing and database management.

## Technical Skills

**Programming:** Python, R, MySQL, Nosql, MongoDB

**Libraries:** Pandas, NumPy, Matplotlib, Scikit-learn

**Tools:** Power BI, Excel, SPSS, Hadoop, Pyspark, Mapreduce

**Concepts:** Data cleaning, data visualization, statistical analysis, Machine learning, hypothesis testing

## Internship Experience

### Data Science Intern – District Statistical Office, Trichy (June 2024 – July 2024)

- Collected and analyzed agricultural and demographic data using SPSS and Excel.
- Conducted surveys and managed datasets related to CAMS and AYUSH programs.
- Prepared analytical summaries to support district-level statistical reporting.

## Projects

### Cybercrime Awareness Analysis

- Conducted a survey of 200+ respondents to analyze cybercrime awareness using Python (Pandas, Matplotlib).
- Applied statistical tests (Chi-square test, correlation analysis) to validate relationships between awareness and demographics.

### Diabetes Prediction using ML

- Built classification models (Logistic Regression, Random Forest) using the PIMA dataset, achieving 87% accuracy.

### Sales Dashboard using Power BI

- Designed interactive dashboards to visualize sales and profit trends using CSV data.

## Certifications

- Fundamentals of Python
- Data Analytics using Python
- Statistical Package for the Social Sciences (SPSS)
- Data Mining Workshop

## Behavioral Skills

- Analytical thinking
- Team collaboration
- Leadership
- Adaptability

## Education

**M.Sc. Data Science** (Pursuing)  
Bharathidasan University, Trichy

2024–2026

**B.Sc. Statistics**  
St. Joseph's College, Trichy

2021–2024

**Higher secondary**  
Bishop Heber Higher Secondary School , Trichy  
86.40%

2019–2021