

# SWATI HEGDE

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GitHub

## Profile Summary

- MSc Statistics graduate aspiring Data Analyst with strong skills in data cleaning, analysis, visualization, and statistical modeling using tools like Excel, SQL, Python, and R.
- Experienced in extracting insights from real-world datasets through academic projects and internships, with a passion for solving business problems using data-driven methods.

## Relevant Coursework

- Data Integrity
- Data Governance
- Generative AI
- Requirement Gathering
- Data Visualization
- Data Manipulation
- Data Mining
- Business Impact Analysis

## Experience

### UptoSkills - Data Analytics Intern | [Certificate](#)

Feb 2025 – May 2025

- Analyzed higher education data from 100,000+ colleges across India, covering 15+ states and union territories, to identify trends in course distribution, institutional type, and gender-based accessibility.
- Cleaned and preprocessed data with ETL operations using Excel and Power Query to prepare structured datasets.
- Created 3+ interactive business intelligence reports and Power BI dashboards with district/state-level breakdowns, course diversity insights and government vs. private comparisons, enabling more informed and data-driven decisions.
- Participated in regular review meetings to share insights, align tasks, and ensure timely delivery.

## Projects

### Statistical Analysis on Global and Indian Equity Market | *R, ARIMA, Time Series Forecasting*

Sep 2024

- Conducted time series forecasting using ARIMA on historical stock data from Indian and Global tech companies.
- Performed EDA, decomposition, and stationarity checks (ADF test) to identify trends, patterns, and seasonality.
- Evaluated model accuracy using MPE and MAPE; achieved best performance for Infosys (MAPE: 6.55%).
- Automated data preprocessing and analysis using R (forecast, tseries), enhancing model reliability and efficiency.
- Delivered insights on equity market behavior, economic indicators, and volatility for strategic investment decisions.

### Online Bookstore BI Analytics Dashboard | *Power BI, DAX, Power Query, SQL* | [GitHub Repository](#)

July 2025

- Developed a **Power BI** dashboard using SQL-based **PostgreSQL** datasets and **DAX** measures (₹75.63K revenue, 2,697 books, 307 customers) to track KPIs, genre trends, repeat customer rate (45.28%), and low-stock alerts.
- Enabled inventory optimization and targeted marketing strategies through interactive filters, drill-down analysis, data modeling, and monthly sales performance tracking, improving stock turnover and customer retention.

## Technical Skills

**Programming & Tools:** Python, R programming, SQL, Excel, Power BI, ETL Processes

**Statistical & Analytical Skills:** Hypothesis Testing, Statistical Modeling, Regression Analysis, Time Series Forecasting

**Data Analysis & Visualization:** Exploratory Data Analysis, Time Series Plots, Residual Plots, Dashboard Creation

**Domain Knowledge:** Financial Markets, Stock Market Analysis, Market Behavior Analysis, Economic Indicators

**Soft Skills:** Analytical Thinking, Problem Solving, Team Collaboration, Time Management, Communication

## Education

### Karnatak University Dharwad

Dec 2022 – Nov 2024

MSc in Statistics – CGPA: 7.12

Dharwad, Karnataka

## Extracurricular / Certifications

- 30-Days SQL Micro Course, Skill Course–[View Credentials](#)
- 30-Days Power BI Micro Course, Skill Course–[View Credentials](#)
- Tata Data Visualization: Empowering Business with Effective Insights–[View Credentials](#)
- IBM Data Analyst, Coursera–[View Credentials](#)
- Foundations of AI – Internship, Microsoft & Edunet Foundation (AICTE)–[View Credentials](#)