

# Varna Rojin K K

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## Objective

Aspiring data scientist with hands-on experience in NLP, machine learning, and statistical analysis, seeking to apply analytical and technical skills to solve real-world problems. Passionate about leveraging AI and data science to drive data-driven insights and innovation, especially in industries like healthcare and food sustainability.

## Education

**Master of Science in Data Science and Analytics**

2024 – 2026 (Expected)

Jain Deemed-to-be University, Kochi

**Bachelor of Science in Statistics**

2021 – 2024

Govt Brennen College, Thalassery

## Internships

**Data Science Intern**, Wogle Tech

Dec 2024 – Jan 2025

- Developed a Sentiment Analysis Model using Natural Language Processing (NLP) and machine learning to classify Twitter data as positive, negative, or neutral.
- Implemented and compared multiple models, including Naïve Bayes, Support Vector Machines (SVM), LSTMs, and Transformer-based models (BERT) for sentiment classification.
- Performed data preprocessing and visualization, leveraging libraries like TextBlob and VADER for sentiment scoring and Matplotlib for trend analysis.

## Technologies

**Languages:** Python, R, SQL

**Technologies:** SPSS, Excel, Power BI

## Projects

**AI for Statistical Quality Control in Perishable Food (Fishing Industry)**

- Designed an AI-driven solution to monitor and control seafood quality during storage and transit.
- Used statistical models and IoT sensors for real-time anomaly detection in environmental conditions.

**Statistical Analysis on the Impact of COVID-19**

- Conducted a comprehensive statistical analysis of COVID-19 trends, focusing on infection rates, mortality, recovery patterns, and vaccination coverage across multiple regions.
- Leveraged tools like Python, R, or Excel for data collection, cleaning, and visualization.
- Applied statistical models such as regression analysis, hypothesis testing, and time series forecasting to understand patterns and predict trends.

## Publications

**Statistical quality control using ai in perishable food in fishing industry**

Nov 2024

Gouthami.M.S, *Varna Rojin K K*, Nandana.C.J, , Arya.C.S