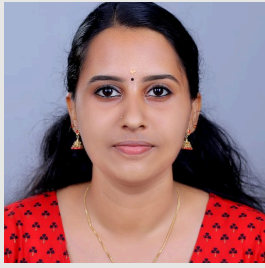


# SWATHY K



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🌐 <https://www.linkedin.com/in/swathy>

🔗 [github.com/swathysathesh](https://github.com/swathysathesh)

## TECHNICAL SKILLS

### Programming Languages

- Python

### Database Management

- SQL

### Data Analysis and Visualization

- Power BI

### Machine Learning

- Classification, Regression, Clustering

### Deep Learning

- Neural networks

## EDUCATION

### Msc. Mathematics

Sri Vyasa NSS College, Calicut University

Jun 2021 – Apr 2023 | Wadakkanchery

CGPA: 4.18 / 5.0 (83.6%)

### Bsc. Mathematics

Sri Vyasa NSS College, Calicut University

Jun 2018 – Apr 2021 | Wadakkanchery

CGPA: 4.81 / 6.0 (83.1%)

## LANGUAGES

English

Malayalam

## INTERNSHIP EXPERIENCE

### DATA SCIENCE INTERN

Luminar Techno lab

Sep 2023 – Apr 2024 | Ernakulam, India

- Conducted data analysis using Python and SQL to identify trends and patterns, contributing to a 15% improvement in forecasting accuracy.
- Exploratory Data Analysis using Pandas and NumPy to clean and preprocessing the data.
- Applied Supervised machine learning algorithms (KNN, Naive Bayes, SVM, Random Forest, Decision Tree) for classification tasks, improving prediction accuracy by 20%.
- Implemented Unsupervised machine learning algorithm (K-means clustering) to segment data and identifying key patterns.
- Created visually appealing and interactive dashboards using Power BI.
- Utilized Big Data tools like Apache Hadoop, Apache Spark for processing and analyzing large dataset.
- Developed object detection models using CNN and OpenCV.
- Managed and versioned code and datasets on GitHub for seamless collaboration.

## PROJECTS

### Hotel Booking Analysis

- Analyzed hotel booking data to uncover trends and insights, resulting in the development of targeted marketing campaigns that increased booking conversion rates.
- Engineered a Machine learning classification algorithm achieving 99% accuracy, providing actionable insights on customer behavior and enabling predictive analysis for personalized marketing strategies.

### Pizza Sales Analysis

- Developed an interactive dashboard using Power BI to analyze pizza sales data.
- Implemented advanced data visualization technique to track customer preferences, leading to a 25% increase in targeted marketing campaign effectiveness and a 10% growth in repeat customer rate.

### Virtual Coffee Machine

- Created a realistic virtual coffee machine simulator for customer engagement that integrated real-time image processing achieved a user satisfaction score above 90%.
- The project simulated the process of making coffee, incorporating real-time hand gesture recognition and object detection to enhance interactivity and achieving a high satisfaction rate in user testing sessions.

## CERTIFICATES

- Big Data Analytics & Data science course certificate from National Council for Technology and Training
- Basic training program certificate in LATEX