

# Sirius Thomas Mathew

Data Scientist

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## Education

AJ Institute Of Engineering And Technology, Mangalore

B.Tech

7.01

2019 - 2023

Computer Science Engineering

Girideepam Bethany Higher Secondary School

78%

2017 - 2019

Senior Secondary Education

## Skills

Python SQL

Machine Learning Deep Learning

Power bi scikit-learn

NLP Pandas

Flask FastAPI

Tableau MS Excel

Codeigniter Prompt Engineering

## Languages

English

Malayalam

Hindi

## Certifications

Data Science Foundation

Great Learning

Introduction to Generative AI

Google

Google Colab Python

Great Learning

Solutions Architect

Amazon Web Services

Data Visualization with Powerbi

Coursera

Applying AI principles with google cloud

Google

Prompt Design in Vtex AI

Google

## Awards

SQL- HackerRank

Rank 1

## Summary

A data scientist committed to continuous growth with training in machine learning and AI projects. Eager to learn new ML skills and apply knowledge in a growth-oriented role.

## Experience

Dexpro Innovations  
Data Analyst

August 2024 - Present  
Kochi

- **Personality Predictor Tool:** Designed and implemented a deep learning-based tool to predict personality traits from resume keywords. Integrated with the GitHub API to fetch user projects using their username.
- **Pattern Matching Program:** Developed a Python tool using regex and pdfplumber to extract HSN codes, descriptions, and duty details from bulk PDFs and export the data to a structured CSV file.
- **Ayurvedic Chatbot:** Created an Ayurvedic chatbot using Flask and Rasa, trained on custom datasets to address domain-specific queries, such as identifying hospital names.
- **Data Analysis and Visualization:** Conducted advanced data analysis and visualization using Python, Excel, and Power BI. Designed dashboards, created pivot tables, and generated visual insights to support decision-making processes.

Camerinfolks  
Data Scientist- Intern

11/09/2023 - 01/08/2024  
Kochi

- Started with Python and SQL projects, gaining proficiency in data manipulation and database management.
- Developed AI enhanced Fraud detection system tailored for an Ecommerce platform to provide financial security against fraudulent transactions.
- Developed and fine-tuned various machine learning algorithms, including regression, classification, and clustering models, to derive actionable insights and improve predictive accuracy.
- Implemented image detection and classification projects using deep learning techniques and OpenCV libraries.
- Engaged in sentiment analysis projects, extracting sentiment from text data using NLP techniques and Python libraries like NLTK and Scikit-learn.

Glowtouch  
Graduate Engineering Trainee

01/09/2023 - 08/08/2023  
Mangalore

- Proficient in Python web development with experience in handling critical technical issues, such as using Python frameworks, integrating databases, fine-tuning sites for performance, DNS, SMTP, POP3 email systems, and MySQL administration.
- Managed MySQL databases, ensuring efficient data storage and retrieval. Developed and tested Python-based web applications.
- Optimized the cPanel of multiple clients servers and troubleshooting bugs through analysis and testing leading to improved performance.
- Expert communicating with clients to assist in Troubleshooting website issues like IP blacklisting, configuring google search console.

## Projects

Song Recommendation System based on Lyrics Similarity

- Developed a sophisticated song recommendation system using natural language processing (NLP) techniques and Python.
- Enhanced the user's music discovery experience by analyzing song lyrics to suggest related songs, leading to personalized recommendations.
- Implemented TF-IDF vectorization, cosine similarity computation, and text preprocessing to generate precise music recommendations based on song lyrics analysis.
- Achieved increased music exploration and high user engagement through personalized recommendations, contributing to a more enriched user experience.