

Sirius Thomas Mathew

Data Scientist

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Education

AI 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 Vetex 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 August 2024 - Present
Data Analyst 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.

Camerinfo 11/09/2023 - 01/08/2024
Data Scientist- Intern 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 01/09/2023 - 08/08/2023
Graduate Engineering Trainee 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.