

Muhammed Safwan C

Data scientist

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Professional Experience

Data Scientist <i>Emergio Games</i>	Aug 2024 – present Kakkanadu - Kerala
AI-ML Developer Intern <i>Doctorspot</i>	Jan 2024 – Jul 2024 Eranakulam - Kerala
Data Scientist Intern <i>Luminar Technolab</i>	Sep 2022 – Aug 2023 Kochi - Kerala

Education

Diploma in Bigdata Data-Science-Machine learning-Deep learning(AI)-Tableau-Bigdata Analytics <i>Luminar Technolab</i>	Sep 2022 – Mar 2023 Kochi - Kerala
Bachelor's degree <i>Kannur University</i>	Jun 2019 – Apr 2022 Kannur - Kerala

Skills

Programming Language Python - SQL	Data Visualization PowerBI - Tableau - Matplotlib - Seaborn
Artificial Intelligence - Machine learning Machine learning, Deep Learning , Computer vision	Data Manipulation SQL - Pandas - Numpy
Database Management MySQL - Mongo DB	NLP & Generative AI

Exploratory Data Analysis

Projects

Soccer GPT – AI-Powered Football Chatbot

Designed and developed an **NLP-driven chatbot** using React.js, Node.js, and MongoDB to provide real-time and historical football insights. Enables natural language queries for player stats, match details, top scorers, and team data, ensuring accurate and engaging user interactions.

Emotion Prediction

A web-based emotion-checking system that uses machine learning to predict emotional states based on survey responses. The system uses Flask to handle the web interface and XGBoost for emotion prediction.

Zomato Dashboard in Power BI

Developed an interactive Power BI dashboard for Zomato, visualizing sales and profit with veg and non-veg categorization

Real-Time Football Match Analytics using YOLO and Computer Vision

Developed an AI-driven football analysis system using YOLOv8 for real-time player and ball detection in live matches and simulations like eFootball and FIFA. The system classified teams through color recognition, predicted optimal passing opportunities, and visualized dynamic strategies with real-time overlays, enabling advanced sports analytics and AI-assisted coaching insights.

Virtual Drawing Board

Developed a virtual drawing board using AI in Python that detects index finger motion via a camera for on-screen drawing. Useful for online teaching, presentations, and various industries.

Face Recognition

Identifying a person's face in an image . This is done by analyzing the visual input to determine whether a person's facial features are present.