MUHAMMED JAHSH V

Data Scientist & Data Analyst

+919447458766 • jahshvrd@gmail.com • linkedin.com/in/muhammedjahshv/ • Kerala, India

Summary

Driven by a passion for continuous growth and success, I am committed to collaborating with forward-thinking organizations that value innovation and excellence. With a dedication to personal development and a desire to make meaningful contributions, I seek opportunities where I can unleash my potential and thrive in challenging environments

Skills

- Python
- Power bi
- R
- Sas
- Agile (Scrum, kanban, Scrumban)
- Machine Learning
- Deep Learning
- Mysql
- Git
- Computer Vision
- Nlp
- Tableau
- Flask
- Advanced Excel
- Django
- Html & css
- Gen AI
- Dialogflow
- Rasa
- Langchain
- AWS

Experience

Dexpro Inovation
Data Scientist & Data Analyst
Trivandrum, Kerala
12/2024- Present

- Developed and deployed predictive models using machine learning techniques and AI tools like TensorFlow, PyTorch, and Scikit-learn to optimize business strategies and enhance decision-making.
- Built and maintained automated data pipelines for data collection, preprocessing, and model deployment, ensuring seamless integration with business applications.

Futura Labs
Data Scientist and Data Analyst
Calicut, Kerala
10/2023 - 12-2024

- Creating AI tools and also generate reports using BI tools.
- Developed interactive dashboards using Power BI, Tableau, and Excel.
- Automated data pipelines and model deployment
- Working as Data Analyst trainer by helping interns to generate interactive dashboard and reports.

Techolas Technologies
Data Science Intern
Calicut, Kerala
09/2022 - 07/2023

- Cleaned, transformed, and structured raw data for analysis.
- Developed and optimized ML models for predictive analytics.
- Worked closely with senior data scientists on real-world business problems.

Education

Calicut Univeristy
06/2019 - 03/2022
B.SC Physics

Courses & Certificates

- Diploma in Data Science
- Nactet on Data Science
- Data Analytics on Great Learning
- Deep Learning on Udemy

Major Projects

Vehicle Safety Assistance - Deep Learning
Github ->

- Detect whether a person inside a vehicle put his/her hand or head or both outside the window of vehicle and pass a signal to driver.
- Utilizes YOLO (You Only Look Once) for real-time detection of passengers putting their head or hand outside the vehicle
- Once the model detects unsafe behavior, it triggers an alert system sound notification to warn passengers or the driver immediately.

Hand Gesture Controlled File Relocator - Computer Vision
Linkdine->

- showcases an innovative approach to file management, enhancing user experience through touchless interaction.
- Uses computer vision for fast and interactive file relocation without a keyboard or mouse.
- Detects specific hand gestures using OpenCV and MediaPipe to perform file operations.
- Users can "grab" a file by making a pinch gesture and move it to a target folder by releasing the pinch.

Coding Club Logo Revealing - Image Processing
Linkdine->

- AI-powered gesture-based logo reveal designed for the Coding Club inauguration at FuturaLabs, Calicut.
- Uses OpenCV and MediaPipe to detect a predefined hand gesture thumbs-up to trigger the logo reveal.
- The club's logo smoothly appears with an attractive animation on the projector screen once the gesture is recognized.
- Once detected, display the animated logo using OpenCV, Pygame, or VLC for video playback.

Trading Bot - Machine Learning & Chatbot

- A fully automated trading bot designed to execute trades based on the SuperTrend indicator and machine learning models.
- Incorporates a Random Forest model trained on historical market data to improve trade accuracy
- Run the bot 24/7 on an AWS EC2 Windows instance for uninterrupted trading.
- Used Meta Trader API for Integrating with MetaTrader

Restaurant Whatsapp Bot - NLP & Chatbot

- WhatsApp-based restaurant bot that allows customers in Ernakulam to easily access menus, cuisines, offers, and restaurant details through a simple chat interface.
- Use WhatsApp Business API to set up the chatbot and dialogflow for chatbot logic
- Store menu items, pricing, and restaurant details in Mysql database.
- Use Natural Language Processing (NLP) to understand customer services

AI Stick for the Blind – Smart Assistive Walking Stick

- AI-powered smart walking stick designed to assist visually impaired individuals by detecting obstacles, recognizing objects, and providing audio feedback for safe navigation.
- Identifies objects, people, and text using YOLO
- Integrated GPS for navigation and text-to-speech (TTS) for real-time guidance.
- Sends an SOS alert with location details to a preset emergency contact in case of danger.

Pulser Star Prediction - Deep learning

- To classify whether a celestial object is a pulsar star or not using machine learning. Pulsars are highly magnetized rotating neutron stars that emit beams of electromagnetic radiation.
- Use Random Forest, and Deep Learning (CNNs) to classify pulsars.
- Use Streamlit for a web-based interface to predict pulsars.
- Use power bi for data insights

Laptop Price Prediction - Power BI

- Analyze and predict laptop prices using Power BI by leveraging historical data on specifications, brands, and market trends.
- Implements Power BI's AI visualizations (e.g., Key Influencers, Forecasting, and Regression Analysis) to estimate prices.
- Use cards, charts, KPI and slicers to visualize data dynamically.
- Publish the report on Power BI Service for easy access.

Rahya Village, Jammu - Power BI

Report ->

- To analyze and visualize demographic, economic, and agricultural trends in Rahya Village using Power BI, providing insights into population, literacy rate, income levels, employment sectors, and agriculture trends for better decision-making.
- Provided insights into literacy rates, employment shifts, and agricultural trends for data-driven decision-making.
- Tools Used: Power BI, DAX, Power Query, Excel, Data Visualization

Indian Restaurants - power BI

Report ->

- To analyze Indian restaurant trends using Power BI by visualizing data on restaurant locations, cuisine types, customer ratings, pricing, and revenue patterns.
- Use Power Query to clean and structure data (remove duplicates, handle missing values).
- Use DAX functions for KPIs like Average Order Value (AOV), Revenue per Customer, and Customer Ratings.

Futuralabs Dashboard Automation - Microsoft Excel

- To develop an automated dashboard in Excel for FuturaLabs Technologies , kerala, enabling real-time data updates, interactive reporting, and automated insights using VBA macros.
- Auto-refresh data when opening the dashboard and generate and export reports in PDF/Excel with a single click.
- Email/SMS alerts based on predefined conditions

Medical Drugs - Tableau

- To analyze and visualize medical drug trends, sales, effectiveness, side effects, and market performance using Tableau.
- Establish relationships between drugs, diseases, sales, customer feedback, and side effects.
- Analyze side effect trends to improve drug formulations.

Languages

- English
- Malayalam
- Hindi