# HARITHA P V

## DATA SCIENTIST

+91 8281458303
harithapv21@gmail.com
linkedin.com/in/harithapv/
github.com/Haritha-PV

## SUMMARY

Data science enthusiast with practical experience in data analysis, Python programming, and statistical modeling. Skilled in extracting insights from complex data sets and leveraging machine learning techniques to address real-world challenges. Dedicated to using data-driven solutions to optimize decision-making and drive meaningful results.

## EDUCATION

**B. Tech in Electrical and Electronics Engineering**
Kannur University  2013-2017

## PROJECTS

**Transaction Fraud Detection**
- Developed a machine learning model for detecting fraudulent transactions using classification algorithms.
- Processed a large dataset of 6.3 million rows , implementing feature engineering and model optimization.
- Deployed the model for real-time fraud detection in a financial transaction system.

**NLP Stock Market News Sentiment Analysis**
- Designed a sentiment analysis model using natural language processing (NLP) to assess stock market news.
- Leveraged pre-trained models and custom tokenization techniques to analyze market trends from news articles.
- Integrated sentiment predictions into a stock market prediction system to inform investment strategies.

**Chatbot Development with LangChain and RAG**
- Built an advanced chatbot using LangChain framework and Retrieval-Augmented Generation (RAG) for intelligent conversations.
- Integrated external data sources for dynamic knowledge retrieval and response generation.
- Deployed the chatbot for customer support, offering contextual and accurate responses in real-time.

## PROFESSIONAL EXPERIENCE

**Data Science Intern | Former Trainee**
Meta Scifor Technologies | May 2024 - Present
.
- Developing an AI Avatar project using machine learning and deep learning for innovative solutions.
- Gained advanced knowledge in data science, machine learning, and Python through hands-on projects, enhancing skills in model development, deployment.
- Collaborated with teams to integrate AI features, ensuring successful project delivery.
- Contributed to 3 innovative projects during the training period, working extensively with Python, TensorFlow, Keras, Streamlit, OpenAI API, CNN architectures, and model deployment to deliver real-world applications.

## SKILLS

- **Python Programming:** NumPy, Pandas, Scikit-Learn
- **Machine Learning & Deep Learning:** Supervised/Unsupervised Learning, Model Evaluation, ANN, CNN, RNN, TensorFlow, Keras, Feature Engineering
- **SQL:** ETL, Data Manipulation, Performance Optimization
- **Flask & Streamlit:** Web App Development, Deployment, Interactive UI
- **Data Preparation:** Extraction, Cleaning, EDA
- **Tableau:** Dashboards, Interactive Visualizations
- **Mathematics for ML & DL:** Algebra, Probability, Statistics, Calculus
- **Git:** Version Control, Repository Management
- **AWS:** Core cloud services, deployment, storage.
- **MLflow:** Experiment tracking, model management.

## CERTIFICATIONS

- Google Advance Data Analytics -Google
- Google AI Essential - Google