

# HARITHA P V

## DATA SCIENTIST

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### 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**      **2013-2017**  
*Kannur University*

### PROFESSIONAL EXPERIENCE

**Meta Scifor Technologies, Data Science Intern**      **Aug 2024 - Present**

- Developing an AI Avatar project using machine learning and deep learning for innovative solutions.
- Collaborated with teams to integrate AI features, ensuring successful delivery while advancing skills in Python and model development.

**Meta Scifor Technologies, Data Science Trainee**      **May 2024 - Aug 2024**

- Gained advanced knowledge in data science, machine learning, and Python programming through hands-on projects.
- Completed three projects, demonstrating skills in model development and deploying ML workflows.

### TECHNICAL 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, Preprocessing, Exploratory Data Analysis
- **Tableau:** Dashboard Creation, Interactive Visualizations
- **Mathematics for ML & DL:** Algebra, Probability, Statistics, Calculus, Matrices
- **Git:** Version Control, Repository Management, Collaboration
- **AWS:** Core cloud services, deployment, storage.
- **MLflow:** Experiment tracking, model management.

### CERTIFICATIONS

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

## PROJECTS

### Transaction Fraud Detection

- Developed a machine learning model for detecting fraudulent transactions using classification algorithms.
- Implemented feature engineering and model optimization techniques to enhance prediction accuracy.
- 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.

### New Delhi Restaurant Reviews

- Implemented sentiment analysis and clustering on restaurant reviews using NLP techniques such as TF-IDF and MiniBatchKMeans.
- Analyzed reviews to extract positive and negative themes, providing actionable insights into customer feedback.
- Visualized clusters and sentiment distribution, and developed a prediction model for classifying sentiments of new reviews.

### 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.

## SOFT SKILLS

- Problem-solving expertise
- Communication skills
- Organizational skills
- Adaptability
- Resilience
- Time management
- Attention to detail
- Commitment to continuous learning
- Self-motivation