

# V. SHAHITH KUMAR

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## Summary

Data Science Intern with strong hands-on experience in Python, statistical analysis, and machine learning, focused on extracting actionable insights from large, complex datasets. Experienced in exploratory data analysis, predictive modeling, experimentation, and translating business problems into measurable data science solutions. Possess a strong foundation in ML algorithms, time-series forecasting concepts, anomaly detection, and recommendation-style problem framing, with growing exposure to NLP, embeddings, and Generative AI workflows. Highly motivated, analytical, and collaborative, with a keen interest in building data products that impact e-commerce, customer experience, and supply chain decision-making.

## Technical Skills

- **Programming:** Python, SQL, React
- **Databases:** MySQL, MongoDB
- **Data Preprocessing & Analysis:** Pandas, NumPy, SciPy, Statsmodels, OpenCV
- **Machine Learning & Deep Learning:** TensorFlow, Keras, scikit-learn, PyTorch
- **Data Visualization:** Matplotlib, Seaborn, Plotly
- **Data Analytics Tools:** Power BI, Tableau, Excel
- **Backend & APIs:** Django, FastAPI, Flask
- **Frontend & App Development:** Flutter, React
- **Development Tools & Practices:** Jupyter Notebook, Git, GitHub

## Portfolio

**Personal Portfolio Website** — <https://my-portfolio-one-bice-57.vercel.app/>

## Projects

- **AI Data Analytics Dashboard: End-to-End Data Automation Platform** [GitHub](#)
  - Built a Flask web app that lets users upload CSV/Excel files and quickly analyze data.
  - Automatically cleaned data by fixing columns, removing errors, and detecting abnormal values.
  - Created simple charts like histograms, box plots, bar charts, and heatmaps for easy understanding.
  - Added real-time updates using SocketIO to make the dashboard feel live and interactive.
  - Built a RandomForest prediction system to help users forecast values and test what-if scenarios.
  - Allowed users to download cleaned data and results as CSV/Excel files.
  - Tech Stack: Flask, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, HTML, CSS, JavaScript.
- **TravelBuddy: AI-Powered Travel Recommendation & Trip Planning System** [GitHub](#)
  - Built a Flask web app that lets users upload CSV/Excel files and instantly analyze their data.
  - Cleaned data automatically by fixing column names, handling missing values, and detecting unusual data.
  - Created charts like histograms, box plots, bar charts, and heatmaps for easy understanding.
  - Added real-time updates using SocketIO so the dashboard feels live and interactive.
  - Built a prediction system using RandomForest to help users forecast values and run simple what-if scenarios.
  - Added export options so users can download cleaned data or results as CSV/Excel.
  - Tech Stack: Flask, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, HTML, CSS, JavaScript.
- **MAA: AI-Powered Mental Health App**
  - Built a scalable 3-tier architecture with Flutter frontend, Django backend, and FastAPI inference server enabling secure, low-latency ML predictions.
  - Developed a multimodal emotion analysis engine using face (CNN on FER2013), voice (Wav2Vec2), and text (RoBERTa on GoEmotions) with confidence-weighted fusion logic.
  - Implemented core app features including tri-modal journaling, emotion history tracking, daily mood insights, and personalized emotional feedback.
  - Designed therapeutic modules such as CBT thought records, guided music therapy with mood comparison, prompt-based and free drawing therapy, affirmations, meditation, and yoga sessions.
  - Added safety and support features including SOS/guardian alerts, panic relief tools, breathing exercises, grounding techniques, and a RAG-based mental health chatbot for guided support.

## Experience

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- **Data Science Intern — Extion Infotech**
  - Analyzed datasets using Python and SQL to deliver useful insights.
  - Developed machine learning models and deep learning solutions.
  - Automated data preprocessing and feature engineering workflows.
  - Collaborated with teams to understand business needs and build solutions.
  - Created Power BI dashboards to visualize findings clearly.
  - Managed GitHub-based workflows to maintain clean and organized projects.

## Certifications

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### **Complete Data Science Bootcamp — Udemy**

Python, SQL, Excel, Machine Learning, Data Analytics

### **Wipro TalentNext — DOTNET Full Stack Certification**

C#, SQL, Full Stack Development Fundamentals