Rahil Ketankumar Shah

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SUMMARY:

Aspiring data scientist with expertise in machine learning, predictive analytics, and data visualization. Proficient in Python, R, and SQL, with a solid foundation in statistical modeling and data manipulation. Proven track record of building data-driven solutions and delivering actionable insights. Experienced in collaborating with cross-functional teams and presenting complex technical findings to diverse stakeholders.

EDUCATION:

Stevens Institute of Technology – Hoboken, NJ, USA Expected Graduation: May 2026

Master of Science in Data Science

Charotar University Of Science And Technology– Anand, Gujarat, India Graduated: May 2024

Bachelor of Technology in Information Technology | 8.98

TECHNICAL SKILLS

Programming Languages: Python, SQL, R, C++.
Data Science Tools: TensorFlow, PyTorch, Scikit-learn, OpenCV
Data Visualization: Tableau, PowerBI, Matplotlib, Seaborn
Other Tools: Git/Github, Microsoft Excel, Snowflake, Cloudera, Hadoop
Specialized Skills: Statistical Modeling, Predictive Analytics, Feature Engineering, Data Cleaning

PROFESSIONAL EXPERIENCE:

Kintu Designs Pvt. Ltd, Data Science Intern – Surat, India [Dec 2023 – Apr 2024]

- Designed and optimized deep learning models, including GANs, for realistic content simulations.
- Implemented facial landmark detection algorithms, enhancing feature alignment in deepfake systems.
- Developed and deployed detection models, increasing manipulated content detection accuracy by 30%.

Exposys Data Labs, *Data Science Intern*– Bangalore, India [May 2023 – Jun 2023]

- Built predictive models for diabetes diagnosis using logistic regression and random forests.
- Enhanced model performance through hyperparameter tuning, achieving an accuracy rate of 88%.
- Conducted data preprocessing and analysis using Python libraries such as Pandas, NumPy, and Scikit-learn.

Prolog Infotech, *Python Developer Intern*– Rajkot, India [May 2022 – Jun 2022]

- Led the development and implementation of Python-based algorithms and scripts for real-time sign language.
- Designed and optimized efficient algorithms for hand gesture recognition and classification using machine learning.
- Extensively researched and experimented with multiple Python libraries to enhance the accuracy of the project.

PROJECTS:

Plant Leaf Disease Detection

- Developed a computer vision-based system using convolutional neural networks to classify plant diseases with 89% accuracy.
- Conducted image preprocessing and presented results through clear, actionable visualizations.

Stock Market Index Prediction

- Built machine learning models using Linear Regression, Random Forest, and LSTM networks to predict stock market indices.
- Conducted time-series analysis and feature engineering to improve model reliability.

- Visualized market trends and predictions using Matplotlib and Seaborn, delivering actionable insights.

CERTIFICATIONS

- Google Data Analytics Professional Certificate
- AWS Academy: Getting Started with Data Analytics
- Supervised Machine Learning: Regression and Classification (Coursera)