Rahul Sharma

Passport: C997482 | **Date of birth:** 27/10/2002 | **Place of birth:** Rajkot, India |

Nationality: Indian | **Phone number:** (+91) 9723130309 (Mobile) | **Email address:** rahul26580058@gmail.com | **LinkedIn:** https://www.linkedin.com/in/rahul-sharma-37731b251/ |

Address: Devnagar-1 Nana mova,Rajkot, 360004, Rajkot, India (Home)

ABOUT ME

I'm a passionate Computer Engineering graduate with a strong interest in Data Science and Artificial Intelligence. I'm fascinated by how data and algorithms can uncover patterns, make predictions and solve real-world problems, and I'm eager to apply my skills to innovative projects. With hands-on experience in Python, SQL, machine learning and deep learning, I have worked on projects involving predictive modelling, stock market forecasting and data visualization. Alongside my academic foundation, I have pursued side projects and independent study that strengthened my analytical thinking, problem-solving ability and technical expertise. I am enthusiastic about contributing my knowledge, learning from new challenges and growing as a data-driven professional

EDUCATION AND TRAINING

2021 – 2025 Rajkot, India

BACHELOR OF TECHNOLOGY IN COMPUTER ENGINEERING RK UNIVERSITY

Website https://rku.ac.in/ | **Final grade** 7.59 CGPA

2019 – 2021 Rajkot, India

12TH GRADE GT SHETH VIDHYALAYA

Final grade 78.3%

2017 – 2019 Rajkot, India

10TH GRADE GT SHETH VIDHYALAYA

Final grade 77.6%

PROJECTS

01/2025 – 05/2025

StockMaster — AI-based Stock Prediction Platform

- Built an AI-driven platform to predict stock price movements using Long Short-Term Memory (LSTM) neural networks on historical stock market data.
- Engineered advanced feature extraction including past stock patterns, support & resistance levels, and volatility measures to improve prediction accuracy.
- Designed and implemented a FastAPI backend with database integration in PostgreSQL for storing stock data and user preferences.
- Developed an interactive dashboard for visualizing time-series trends and model predictions, enhancing interpretability for end-users.
- Applied iterative model training and tuning to minimize overfitting and improve generalization on unseen stock data.

Link https://github.com/rahuulsharmaa/StockMaster.git

08/2025

Machine Learning for Sleep Disorder Prediction

- Developed an end-to-end machine learning pipeline to predict sleep disorders (Insomnia/Sleep Apnea) using health and lifestyle data, achieving 96% accuracy and F1-score of 0.95.
- Performed data cleaning, missing-value handling, outlier treatment, scaling, and class-imbalance mitigation to prepare features for modeling.
- Benchmarked 9 supervised learning algorithms with comprehensive evaluation using accuracy, precision, recall, F1-score, and ROC-AUC metrics.

- Performed hyperparameter optimization using RandomizedSearchCV, improving model performance through systematic tuning of tree-based ensemble models.
- Validated results through statistical testing (Chi-square, ANOVA) confirming significant associations ($p < 0.001$) between clinical features and sleep disorder prevalence.

Link https://github.com/rahuulsharmaa/Machine-Learning-for-Sleep-Disorder-Prediction/blob/main/Machine_Learning_for_Sleep_Disorder_Prediction.ipynb

WORK EXPERIENCE

– REMOTE

AI/ML INTERN — INTERNPE – 01/2025 – 05/2025

- Worked with diverse real-world datasets, performing data cleaning, preprocessing, and feature engineering to prepare them for ML models.
- Gained hands-on experience with supervised learning (Regression, Classification) and unsupervised learning (Clustering, Dimensionality Reduction).
- Implemented and evaluated algorithms using Python, Scikit-learn, Pandas, NumPy, and Matplotlib.
- Developed workflows for model training, validation, and performance evaluation across different datasets.
- Strengthened understanding of AI/ML fundamentals, laying the foundation for advanced applications in Data Science.

LANGUAGE SKILLS

Mother tongue(s): **HINDI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C1	B2	C1	C1
GERMAN	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Programming & Databases

Python | SQL | R | Java | C++ | PostgreSQL | SQLAlchemy

Machine Learning & AI

Supervised Learning (Regression, Classification) | Unsupervised Learning (Clustering, PCA, Dimensionality Reduction) | Deep Learning with TensorFlow & Keras (LSTM, Neural Networks) | Feature Engineering | Model Training & Validation

Data Analysis & Visualization

Pandas | NumPy | Scikit-learn | Matplotlib | Seaborn | Power BI | Time-Series Analysis | Statistical Modeling

Web & Backend Development

FastAPI | REST APIs | Jinja2 | React (basic) | Git | GitHub | VS Code | Jupyter Notebook