

Vipul Solanki

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SUMMARY

Aspiring Data Scientist with experience in **machine learning, statistical analysis, and data visualization**. Skilled in Python, SQL, and TensorFlow with expertise in designing predictive models, developing dashboards, and extracting insights. Strong Computer Engineering foundation with internships applying **EDA, feature engineering, and predictive modeling** to real-world data.

EXPERIENCE

Data Science Intern — Cognifyz Technologies

Feb 2025 – Mar 2025

- Executed **3 ML models** (classification/regression) for client datasets.
- Enhanced accuracy by **25%** through feature engineering and hyperparameter tuning.
- Implemented preprocessing pipelines, improving efficiency of client reporting.

Data Analytics Virtual Intern — Deloitte (Forage)

May – Jun 2025

- Analyzed **10,000+ financial records** using forensic analytics to detect anomalies.
- Designed dashboards, improving reporting accuracy and reducing manual effort by **20%**.

Data Science Virtual Intern — British Airways (Forage)

May – Jun 2025

- Developed ML model with **87% accuracy** for lounge access prediction.
- Produced insights on customer purchase patterns, increasing campaign response by **12%**.

PROJECTS

- **Heart Disease Prediction** — Implemented classification models (Logistic Regression, Random Forest) with feature scaling, outlier removal, and cross-validation; attained **85% accuracy** on UCI dataset.
- **Sentiment Analysis (LSTM)** — Built TensorFlow-based LSTM for sentiment classification; applied tokenization, padding, and embeddings; realized an **85% F1-score**.
- **CNN Image Classifier** — Constructed CNN using TensorFlow/Keras for Cat vs Dog dataset; applied augmentation and dropout regularization; secured **90% accuracy**.
- **House Price Prediction** — Performed EDA and feature engineering (missing values, correlation analysis) to optimize regression models; provided more reliable pricing predictions than baseline.

EDUCATION

B.E. in Computer Engineering, Rajiv Gandhi Institute of Technology, Mumbai

Expected Jul 2026

CGPA: 7.56/10 | HSC: 75.67% | SSC: 83.50%

CERTIFICATIONS

Data Science (Devtown) | Prompt Engineering (Alson) | Google Cloud Engineering (Google) | Machine Learning Specialization (Stanford & DeepLearning.AI)

SKILLS

- **Programming:** Python, SQL, C++
- **ML/DS:** Regression, Classification, Deep Learning (CNN, LSTM), EDA
- **Libraries:** NumPy, Pandas, Scikit-learn, TensorFlow,
- **PyTorch, FastAPI**
- **Visualization:** Tableau, Matplotlib, Seaborn, Power BI
- **Tools:** Git, GitHub, Excel, Jupyter

SOFT SKILLS

Analytical Thinking | Problem Solving | Communication | Adaptability | Time Management | Data Storytelling