

# Vipul Solanki

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## SUMMARY

AI/ML and Data Science enthusiast with expertise in **Python, machine learning, deep learning, NLP, and recommendation systems**. Experienced in **designing, implementing, and optimizing** predictive models, deploying AI solutions, and creating interactive dashboards for actionable insights. Skilled in **EDA, feature engineering, model tuning, and data storytelling**, with a strong foundation in Computer Engineering and multiple real-world internship projects.

## EXPERIENCE

<b>Data Science Intern — Cognifyz Technologies</b>	Feb 2025 – Mar 2025
– Engineered 3 ML models (classification & regression) for client datasets.	
– Enhanced model performance by 25% through advanced feature engineering and hyperparameter tuning.	
– Streamlined data preprocessing pipelines, reducing reporting time for stakeholders.	
<b>Data Analytics Virtual Intern — Deloitte (Forage)</b>	May 2025 – Jun 2025
– Analyzed 10,000+ financial records to detect anomalies using forensic analytics.	
– Designed interactive dashboards, improving decision-making efficiency by 20%.	
<b>AI/ML Virtual Intern — British Airways (Forage)</b>	May 2025 – Jun 2025
– Implemented ML model achieving 87% accuracy for lounge access prediction.	
– Extracted actionable insights from customer purchase patterns, increasing campaign response by 12%.	

## PROJECTS

- **Heart Disease Prediction** — Logistic Regression & Random Forest; **85% accuracy** on UCI Heart Disease dataset.
- **Sentiment Analysis (LSTM)** — TensorFlow LSTM with embeddings and preprocessing; **85% F1-score**.
- **CNN Image Classifier** — Keras CNN for Cat vs. Dog dataset; applied augmentation and regularization; **90% accuracy**.
- **House Price Prediction** — Regression modeling with EDA and feature engineering; **improved prediction reliability**.

## EDUCATION

<b>B.E. in Computer Engineering</b> , Rajiv Gandhi Institute of Technology, Mumbai	Expected Jul 2026
CGPA: 7.56/10   HSC: 75.67%   SSC: 83.50%	

## CERTIFICATIONS & TRAINING

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

## TECHNICAL SKILLS

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

## PROFESSIONAL SKILLS

Analytical Thinking | Problem Solving | Communication | Adaptability | Collaboration | Data Storytelling