ADITYA THAKKAR

Ahmedabad, Gujarat

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EDUCATION

Pandit Deendayal Energy University — July 2023 – May 2027
B.Tech in Computer Science and Engineering, CGPA: 9.91 — *Gandhinagar, India*

COURSEWORK

- Data Structures and Algorithms
- Database Management Systems
- Operating Systems
- Object-Oriented Programming

PROJECTS

- **Named Entity Recognition with LSTM** | *Python, TensorFlow, Keras* — July 2025
  - Developed an LSTM-based sequence labeling model to identify named entities (persons, locations, organizations) in sentences.
  - Trained on a Kaggle-provided NER dataset with about 50,000 labeled tokens, achieving 95% accuracy on the validation set.

- **Sentiment Analysis of Tweets** | *Python, TensorFlow, NLTK* — June 2025
  - Built a deep neural network classifier to analyze tweet sentiment using the Sentiment140 dataset, reaching 95% accuracy on the validation set.
  - Used tokenization, word embeddings, and dropout regularization to improve generalization.

- **Autocomplete System with GRU** | *Python, TensorFlow, Keras* — June 2025
  - Designed a GRU-based language model to predict next-word suggestions trained on the Shakespeare dataset.
  - Achieved a top-3 next-word prediction accuracy of about 70% on held-out text sequences.

TECHNICAL SKILLS

- **Languages:** Python, Java, C, C++, SQL
- **Developer Tools:** VS Code, PyCharm, Google Colab, Kaggle
- **Technologies:** Linux, Git, GitHub

EXTRACURRICULAR

Science and Technical Committee — Aug 2023 – May 2025
PR and Marketing Member — *Gandhinagar*

- Managed PR and promotional activities for technical events and workshops.
- Delegated tasks and coordinated with team members.
- Created digital content and social media campaigns for events.

CERTIFICATIONS AND ACHIEVEMENTS

- Codeforces Max Rating: 1265 (Aditya_Thakkar)

- Machine Learning Specialization — Coursera

- Natural Language Processing Specialization — Coursera

- Ranked Top 2000 in IICPC Codefest (Rank 1592)