



SIDDHANT JAIN

B.E.

Computer Engineering

Thapar Institute of Engineering and Technology, Patiala

Male/20

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Github

LinkedIn

Portfolio-Website

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.E.	Thapar Institute of Engineering and Technology, Patiala	8.35 (Current)	2021-2025
Class XII (CBSE)	Shree Sanatan Dharm Education Centre, Kanpur	96.4%	2021
Class X (ICSE)	Dr. Virendra Swarup Education Centre, Kanpur	95.5%	2019

EXPERIENCE

- **Infosys (Infosys Springboard Program)** June 2024 - Present
AI/ML Intern Remote
 - **Stock Price Prediction Using LSTM Neural Networks**
 - * Developed an LSTM model with Keras and TensorFlow to accurately predict future stock prices using historical data, addressing the challenges of time-series forecasting in a highly volatile stock market.
 - **Flood Detection Using LSTM Neural Networks**
 - * Collaborated on developing an LSTM model to predict flood occurrences in various districts of India, leveraging the model's ability to handle long-term dependencies in sequential data for accurate rainfall forecasting.
 - * Implemented web scraping to automatically download data from the WRIS using Playwright.
 - **Technologies:** Python, pandas, numpy, scikit-learn, TensorFlow, Keras, Playwright

PROJECTS

- **Enhancing Motorcycle Safety with Smart Helmet Technology** Mar 2024 - Present
Capstone Project (Ongoing)
 - **Integrated Safety Features:** Developing a smart helmet system with alcohol detection (alcohol sensor), helmet compliance verification (IR sensor), distance monitoring (ultrasonic sensor), accident detection (accelerometer), and emergency communication (GPS and GSM modules).
- **MovieGossips** Dec. 2023 - Jan. 2024
 - **Comprehensive Movie Information:** Developed a website that recommends similar movies using cosine similarity and displays top cast information, including DOB and biography, using the TMDB API.
 - **Sentiment Analysis on Reviews:** Fetched detailed movie data (title, genre, runtime, rating, poster) via TMDB API and performed web scraping with BeautifulSoup4 to obtain user reviews from IMDB, followed by sentiment analysis using Naive Bayes to categorize reviews as good or bad.
- **Real-time Chat Application** Jan 2024 - Mar 2024
 - Developed a full stack real-time Chat Application with authentication using ReactJS and Firebase

POSITIONS OF RESPONSIBILITY

- **Student Placement Representative (SPR)** Aug 2024 - Present
Member of Placement Council Thapar Institute of Engineering and Technology, Patiala
 - Appointed as one of the 6 SPRs for my branch, representing over 800 students. Responsibilities include coordinating placement activities, liaising between students and the placement office, and organizing recruitment drives.

SKILLS

- **Programming:** C/C++, Java (basic), Python, SQL, HTML, CSS, JavaScript
- **Core Subjects:** Data Structures and Algorithms (DSA), OOPs, Operating Systems, Computer Networks, Artificial Intelligence, Machine Learning, Data Science, DBMS
- **Platforms:** Git/GitHub, VS Code, PyCharm, Google Colab, Linux, MySQL, MS-Office, Word, Powerpoint, Matlab, AutoCAD, Arduino IDE
- **Interpersonal and Leadership Skills:** Leadership skills, Strong communication skills, Team bonding, Conflict resolution, Decision-making, Adaptability, Empathy and active listening, Collaboration and teamwork

ACHIEVEMENTS, CERTIFICATIONS AND HOBBIES

- **Coding Practice:** Solved over 250+ coding problems on various platforms.
LeetCode Contest Rating: 1682 (Top 14.2%) [LeetCode Profile](#)
- **Kaggle Expert:** Achieved Notebooks Expert level on Kaggle [Kaggle Profile](#)
- **Infosys Springboard Certificates:** Earned 11 certificates in Data Science, AI, ML, Computer Vision, Deep Learning, and non-technical skills such as impactful presentations, email writing, and Scrum practices. [Certificates](#)
- **Coursera Certifications:** Multiple certifications in various Data Science domains from Coursera. [Certificates](#)
- **Academic Excellence:** Secured 3rd rank in Class IX and Class XI.
- **Hobbies:** Enjoys listening to Bollywood music in free time and regularly engages in gym workouts.