Siddhant Jain

+91-9170822911 | jjsiddhant03@gmail.com | Linkedin | Github | LeetCode | CodingNinjas | Portfolio

EDUCATION

Thapar Institute of Engineering and Technology, Patiala **2021-2025**
*B.E. Computer Engineering - **CGPA - 8.30*** *Patiala, Punjab*

Shree Sanatan Dharm Education Centre **2021**
*Class XII (CBSE Board) PCM - **96.4%*** *Kanpur*

Dr. Virendra Swarup Education Centre **2019**
*Class X (ICSE Board) - **95.5%*** *Kanpur*

EXPERIENCE

Intern at Infosys Springboard **June 2024 - July 2024**
Role - Artificial Intelligence/Machine Learning *Remote*

- Developed **LSTM models** using **Keras** and **TensorFlow** to predict stock prices with **98.7%** accuracy and flood occurrences in **25+** districts of India
- Improved forecasting accuracy by **25%** in flood prediction by effectively handling **long-term dependencies** in sequential data..
- Automated data retrieval with **Playwright**, reducing data collection time by **50%** and enhancing real-time analysis capabilities.

POSITION OF RESPONSIBILITY

Student Placement Representative (SPR) **Aug 2024 - Present**
Member of Placement Council *TIET, 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.

PROJECTS

Breast Cancer Classification | Python,Numpy,Pandas,Sklearn, Matplotlib,TensorFlow,Keras,PyTorch

- Built and evaluated models for breast cancer detection using **logistic regression** (**92.98%** accuracy), **neural networks** (**96.49%** accuracy), and **PyTorch** (**97.37%** accuracy).
- Preprocessed the data, applied **standard scaling**, and used the sklearn breast cancer dataset with binary classes (**Benign** and **Malignant**).

Content -Based Movie Recommender System | Python, NumPy, Pandas, Scikit-learn

- Developed a movie recommendation system using **NLP** and **ML** techniques.
- Engineered personalized recommendations based on movie descriptions, genres, cast, and crew.
- Utilized **Count Vectorizer** and **cosine similarity** for precise movie recommendations, enhancing user satisfaction.

Python package to implement TOPSIS | Python, Numpy, Pandas

- Implementing **TOPSIS**, a crucial technique in **multi-criteria decision making**.
- Published python package on **Python Package index/PyPi** contributing to the expansive collection of over **500+** TOPSIS packages available.
- Generates 1 output table containing Correlation, Square of Correlation, Root Mean Square Value, Accuracy, TOPSIS score, and Rank with provided input of weights, and csv dataset.

TECHNICAL SKILLS

Languages: C/C++, Python, SQL
Technologies/Frameworks: HTML5, CSS3, Javascript, Numpy, Pandas, Scikit-learn, Matplotlib
Developer Tools: Git/GitHub, VS Code, PyCharm, Google Colab, Arduino IDE
Relevant Coursework: Data Structures and Algorithms(DSA), OOPS Concepts, DBMS, Computer Networks, Operating Systems, Data Science, Artificial Intelligence, Machine Learning, NLP

ACHIEVEMENTS AND CERTIFICATIONS

- Solved over **250+** coding problems on various platforms. **LeetCode Contest Rating:** 1682 (Top 14.2%)
- Achieved **Notebooks Expert** level on **Kaggle**. Rank **3676** of **61,517**.
- **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.
- **Coursera Certifications** Multiple certifications in various Data Science domains from Coursera.
- **JP Morgan** Chase & Co. **Software Engineering Job Simulation** through Forage.