# Tanishq Kolhatkar

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# Technical Skills

**Languages** : C, C++, Python, R,SQL

**Technologies and Tools**: Machine learning, Data analysis, Git, GitHub

# Certifications

**Applied Machine Learning** (Coursera) [Coursera Certification](https://coursera.org/share/966506ed4b5bf019b4d5750da17750d0)

**Postman API** Fundamental Student Expert (Postman) 🔗 [Badge Certification](https://api.badgr.io/public/assertions/KR-OIyfjQIurIw5VO_NGKQ?identity__email=tanishq.kolhatkar2021%40vitbhopal.ac.in)

# Education

**Vellore Institute of Technology, Bhopal September 2021 - Ongoing**

*Integrated MTECH Computer Science (Artificial Intelligence),* ***8.3/10*** *Bhopal, MadhyaPradesh*

## Balaghat English School , Balaghati May 2021

*CBSE 12th STD,* ***85.4%*** *Balaghati, MadhyaPradesh*

## Balaghat English School , Balaghat May 2019

*CBSE 10th STD,* ***90.2%*** *Balaghat, MadhyaPradesh*

# Experience

**Lets Grow More December 2024 – January 2025**

*Data Science Intern Remote*

* *Implemented a* ***Stock Market Prediction model*** *using* ***LSTM****, leveraging* ***historical time-series data*** *for forecasting stock prices. Preprocessed financial data with* ***Pandas and NumPy****, optimizing model performance. Applied* ***deep learning techniques*** *to analyze market trends and generate accurate predictions.*
* *Developed a* ***classification model*** *for predicting* ***IRIS flower species*** *using* ***Decision Trees and K-Nearest Neighbors (KNN)****, achieving high accuracy. Utilized* ***Scikit-learn, Pandas, and Matplotlib*** *for data preprocessing and visualization.*

# Projects

**Soil Moisture Prediction using Remote Sensing Satellite Data** *| Python (LSTM, GRU, Bi-LSTM), Scikit-learn* **June 2024– September 2024**

* Developed machine learning models (LSTM with 80% accuracy) for predicting soil moisture using satellite data.
* Cleaned, pre-processed, and transformed raw satellite data for training predictive models.
* Evaluated model performance using metrics like accuracy and mean squared error (MSE).
* Visualized data trends and insights using Matplotlib and Seaborn. [Github Link](https://github.com/tanishqkolhatkar93/Soil_Moisture_Prediction)

**Movie Recommender System***|*Python, TMDB API, Pandas, NumPy**October 2022 – January 2023**

* Built a content-based recommender system using the TMDB dataset to suggest movies based on user preferences.
* Fetched movie metadata via API calls, handled API timeout issues, and integrated with Python's requests module.
* Cleaned and processed data to build a similarity matrix using cosine similarity for recommendations.
* Implemented error-handling mechanisms for smoother API data fetching and timeouts**.** [Github Link](https://github.com/tanishqkolhatkar93/Movie-Recommender-System)

# Extra-Curricular/Achievement

* **Prime Author at TheCyberDelta – Published 15+ research articles on cybersecurity ,artificial intelligence, blockchain and latest technology.**
* **Campus Ambassador at IMUN, promoting global leadership programs.**
* **Top 10% Contributor at GSSOC 2024, enhancing 5+ open-source projects**.
* **Published Patent on IOT based Self Cleaning Glass Case System**

# Additional

# **Languages** – Hindi(Native), English.