

Venkatesh

AI/ML Enthusiast | Software Developer | Data Structure Learner

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EDUCATION

University of Lucknow, Lucknow — BTech (CSE)

NOVEMBER 2022 - PRESENT

Average CGPA of 7.75

G.D. Goenka Public School, Lucknow — Intermediate

2020 - 2021

Passed with 81%

Shirdi Sai Public School, Moradabad — High School

2018 - 2019

Passed with 88.16%

PROJECTS

Image Classification using CNN — Deep Learning

- Designed and trained a **Convolutional Neural Network (CNN)** using **TensorFlow** for image classification.
- Preprocessed image data to enhance model accuracy and reduce noise.

Stock Price Trend Predictor — Machine Learning

- Developed a **stock trend predictor** using the **Random Forest Classifier** model.
- Analyzed historical stock data to classify trends as **increase**, **decrease**, or **remain the same**.
- Achieved **61.53% accuracy** on the test dataset

Phishing Detector — SVM and NLP

- Developed a **Machine Learning** model using **Support Vector Machine (SVM)** to classify text as **spam** or **not spam**.
- Integrated the model into a **web-based interface** for easy accessibility.
- Implemented an **API** to streamline interaction and enhance usability.

Wordle Bot — DQN

- Developed an **ML bot** using **Deep Q-Network (DQN)** to autonomously play **Wordle**.
- Designed a reinforcement learning framework to improve word-guessing strategies over time.
- Currently refining the model to enhance accuracy and decision-making.

SKILLS

- **Programming:** Python, C, C#, Java, Kotlin
- **Python Libraries:** Numpy, Pandas, OpenCV, Scikit-Learn, PyTorch, Matplotlib, Tkinter
- **Development:** Android Studio (previously worked on)
- **Tools:** Git, Linux, SQL

LANGUAGES

- English
- Hindi
- German (High A1).