

Neellohit Dasgupta

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EDUCATION

Vellore Institute Of Technology	Sept 2022–ongoing
BTech in Computer Science and Engineering (AI and ML)	CGPA: 7.42/10

TECHNICAL SKILLS

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- Programming** : Python, Java, HTML, CSS, JavaScript
 - Cloud & Tools** : Git, GitHub, AWS, Jupyter, Colab

PROJECTS

Facial Emotion Recognition for Education (FRED)

- Developed a real-time classroom emotion recognition system using CNN.
- Designed UI and connected backend for real-time monitoring.
- Technologies used: **Python** | **TensorFlow** | **OpenCV** | **CNN** | **Flask** | **MySQL** | **JavaScript**

Stock Forecasting & Visualization using Dash (PredictStox)

- Built LSTM/RNN forecasting model with 10–15 year future prediction capability.
- Created interactive Dash dashboard and integrated backend with Flask.
- Technologies used: **Python** | **TensorFlow** | **LSTM/RNN** | **Dash** | **Plotly** | **Pandas** | **NumPy** | **Flask**

Mental Health Support Chatbot

- Developed an NLP-based mental health chatbot for user support and guidance.
- Designed the complete MySQL database for user IDs, passwords, timestamps, chat history, and results.
- Integrated Flask backend APIs with the chatbot interface for secure data storage and retrieval.
- Technologies used: **Python** | **Flask** | **NLTK** | **NLP** | **MySQL** | **RESTful API** | **JavaScript**

CERTIFICATIONS

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- OCI Data Science Professional | **Oracle**
 - GEN AI using IBM Watsonx | **IBM**

Additional Information

LANGUAGES: English (Proficient) | Hindi (Proficient) | Bengali (Native)