

# Neellohit Dasgupta

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## EDUCATION

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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

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