

# Neellohit Dasgupta

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## EDUCATION

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### Vellore Institute Of Technology

BTech in Computer Science and Engineering (AI and ML)

Sept 2022–ongoing

CGPA: 7.42/10

## TECHNICAL SKILLS

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- **Programming** : Python, C++, Java
- **Cloud & Tools**: Git, GitHub, AWS, Jupyter, Colab

## PROJECTS

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### 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 (Capstone Proj)

- 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)