

Neellohit Dasgupta

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EDUCATION

VIT Bhopal University, Bhopal , BTech in Computer Science and Engineering with specialization in AI and ML	Sept 2022–ongoing CGPA: 7.42/10
Hindi Higher Secondary School, Agartala, Tripura , 12 th standard	June 2022 Percentage: 80.8%
Holy Cross School, Agartala, Tripura , 10 th standard	July 2020 Percentage: 92%

TECHNICALSKILLS

- **Programming** : Python, C++, Java
- **Machine Learning**: CNN, ANN, LSTM, RNN, Computer Vision
- **Data Science**: Pandas, NumPy, Data Mining, Dash Visualization
- **Database**: MySQL
- **Cloud & Tools**: Git, GitHub, AWS, Jupyter, Colab

PROJECTS

Facial Emotion Recognition for Education (FRED)

- Developed a real-time classroom emotion recognition system using CNN.
- Integrated model with Flask + PHP + MySQL full stack interface.
- Designed UI and connected backend for real-time monitoring.

Stock Forecasting & Visualization using Dash (PredictStox)

- Sole developer handling entire project end-to-end.
- Built LSTM/RNN forecasting model with 10–15 year future prediction capability.
- Created interactive Dash dashboard and integrated backend with Flask.

Community Resource Locator Android App (ResQMap)

- Designed Android app for locating essential public services.
- Built UI/UX using Figma; developed app in Java/XML.
- Integrated Firebase for authentication and real-time updates.

Mental Health Support Chatbot (Capstone Project)

- 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.

CERTIFICATIONS

- Applied Machine Learning in Python | Coursera.
- OCI Data Science professional | Oracle
- GEN AI using IBM Watsonx | IBM

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