

Nitul Das

Bachelor of Technology
Department of Computer Science & Engineering
Jorhat Engineering College, Jorhat

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👤 Portfolio

EDUCATION

- **Bachelor of Technology in Computer Science and Engineering** 2022-Present
Jorhat Engineering College, Jorhat
- **Higher Secondary** 2019-2021
Netaji Vidyapith Railway H.S School, Maligaon, Guwahati Score: 89.4%

PERSONAL PROJECTS

Comparison of Sentiment Analysis Between Romanized and Native Language Assamese Social Media Text

A machine learning model to analyze and classify the sentiment of social media comments.

- Found that certain models performed better on Native Language Assamese due to richer linguistic features (Accuracy: 70%), while others were more robust on Romanized text.
- **Technology Used:** Python3, NLTK, Scikit-learn, TensorFlow, Jupyter Notebook

Personal Portfolio

A React-based web application that showcases my personal portfolio.

- Utilized React.js to prevent loading while navigating to different pages of the website.
- **Technology Used:** Reactjs, TailwindCSS, HTML5.

EXPERIENCE

Research Internship

June - July 2024

OSINT Lab, IIT Guwahati

IIT Guwahati

- In-depth understanding of Machine Learning Algorithms, including LSTM, BiLSTM, GRU, and more.
- Developed a model that predicts the sentiment of social media comments proefficiently with accuracy of 70%.
- Acquired proficiency in Python libraries including Pandas, NumPy, Matplotlib, and more.

Social Internship

July - August 2023

Garmur High School

Ideal Abhijan

- In-depth understanding of audience analysis and lecture delivery.
- Hands-on experience in public speaking.
- Enhanced my situation handling skills and developed alternative thinking approaches.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Javascript, HTML+CSS

Libraries : NLTK, Scikit-learn, TensorFlow, ReactJs

Tools: VScode, Git, Github, Overleaf, Jupyter Notebook, Google Colab

Frameworks: ReactJs, TailwindCSS

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System.

Areas of Interest: Natural Language Processing, Web Design and Development.

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability, Time Management, Leadership Quality

POSITIONS OF RESPONSIBILITY

Graphics Head, JEC Debate Forum	2022-Present
Co-Head, JEC Sagkathya Club	2023-Present
Research Team Head, JEC Quiz Forum	2023-Present
Social Media Manager, DCODE Club	2023-Present