

# NITUL DAS

BTech in Computer Science and Engineering, Jorhat Engineering College

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🐙 [github.com/nitul8](https://github.com/nitul8)

👤 [nituldas.vercel.app](https://nituldas.vercel.app)

## Experience

### Research Intern(OSINT Lab, IIT Guwahati)

June - July 2024

- Constructed machine learning models to analyze Assamese social media commentary with an impressive 70% accuracy; enabled the identification of trending topics that informed content strategy and marketing direction.
- Engineered a comprehensive understanding of advanced Machine Learning algorithms, including LSTM, BiLSTM, and GRU, leading to the successful implementation of predictive models that improved forecasting accuracy by 25% in product demand.

### Social Internship(Garmur High School, Ideal Abhijan)

July - August 2023

- Crafted engaging lecture content for workshops attended by more than fifty students, achieving substantial improvements in both speaker confidence levels and overall student interest during discussions.
- Demonstrated strong leadership, critical thinking, and adaptability skills, successfully managing teams of 4 members and solving complex problems with innovative solutions.

## Projects

### Sentiment Analysis on Native and Romanized Assamese Social Media Text

- Constructed machine learning models to analyze Assamese social media commentary with an impressive 70% accuracy; enabled the identification of trending topics that informed content strategy and marketing direction.
- Engineered a comprehensive understanding of advanced Machine Learning algorithms, including LSTM, BiLSTM, and GRU, leading to the successful implementation of predictive models that improved forecasting accuracy by 25% in product demand.
- Tech:** Python, NLTK, TensorFlow, Scikit-learn, Jupyter Notebook.
- Project Link:** [https://github.com/nitul8/Sentiment\\_Analysis](https://github.com/nitul8/Sentiment_Analysis)

### Astitva Foundation Webpage

- Developed an interactive React.js-based website for Astitva Foundation, enhancing user engagement and accessibility for 1,000+ visitors.
- Integrated a secure UPI payment system, enabling seamless and hassle-free donation transactions for contributors.
- Tech:** React.js, Tailwind CSS, Vite.
- Project Link:** <https://astitvafoundation.vercel.app/>

### Personal Portfolio

- Designed and developed a dynamic portfolio using React.js, featuring 10+ projects, skills, and achievements with an interactive UI.
- Tech:** React.js, Tailwind CSS, HTML5.
- Project Link:** <https://nituldas.vercel.app/>

## Technical Skills

**Languages:** C/C++, Python, JavaScript, HTML, CSS.

**Libraries:** NLTK, Scikit-learn, TensorFlow, React.js, Node.js, Express.js.

**Tools:** VS Code, Git, GitHub, Overleaf, Jupyter Notebook, Google Colab, Postman.

**Frameworks:** React.js, Tailwind CSS, Express.js, Next.js.

**Relevant Coursework:** Data Structure & Algorithm, Operating Systems, OOP, DBMS.

**Interests:** Natural Language Processing, Web Development.

## Education

### Bachelor of Technology, Computer Science and Engineering

Jorhat Engineering College, Jorhat

2022-Present

### Higher Secondary

Netaji Vidyapith Railway H.S. School, Guwahati

89.4%

2019-2021

## Additional Experience

### Astitva Foundation(Co-Founder & Lead)

January 2025 - Present

- Led a team of 30+ members, driving project execution, problem-solving, and community initiatives, fostering leadership, adaptability, and critical thinking.
- Organized and executed awareness drives, donation campaigns, and mentorship programs, positively impacting underprivileged communities.