

Daiyaan Ahmed

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Skills

Languages: Python, C++, SQL, HTML, JavaScript

Frameworks/Tools: Laravel, Flask, ReactJS, Bootstrap, PostgreSQL, MySQL, XAMPP

Libraries: Pandas, NumPy, Scikit-learn, MATLAB, TensorFlow, Keras, PyTorch

Deployment Tools: Git, GitHub, Flask, Ngrok

Work Experience

Software Developer Intern

Jul 2023 – Sep 2023

National Informatics Centre Services Incorporated (NIC), Assam

- Developed and deployed a Car Management System using Laravel and PostgreSQL, optimizing official transportation workflows.
- Integrated driver assignment, vehicle booking, and administrative approval systems within a single platform.
- Improved booking efficiency by designing a mobile-adaptive responsive UI using Tailwind CSS and ReactJS.

Education

The Assam Royal Global University, Assam

Oct 2020 – Jun 2024

Bachelor of Technology (B.Tech), Computer Science and Engineering

CGPA: 8.98 / 10 (Silver Medalist)

Semester Topper: 5th and 7th semester

Projects

Automated Classification of Assamese Songs

Feb 2024 – May 2024

- Built a hybrid ML/DL model classifying five Assamese folk song categories using MFCC features and deep classifiers.
- Developed and deployed a ReactJS-Flask based web interface for testing and showcasing models.

Automated Identification of Bihu Songs

Sep 2023 – Dec 2023

- Designed and trained a deep learning identifier for Bihu songs by extracting acoustic features (MFCC).
- Deployed the system using Flask and Ngrok for live demo access.

Advance Staff Calling System (IoT Project)

Mar 2022 – May 2022

- Built an IoT communication device using wireless modules and sound systems to enhance university administration workflows.

Publications

Automated Identification Of Assamese Folk Song: Bihu using Deep Learning

Published in Procedia Computer Science (Elsevier), Presented at AICONF 2024 (Anglia Ruskin University, UK)

Achievements

- Silver Medalist, B.Tech Computer Science, The Assam Royal Global University.
- Published Research Author (Elsevier, International Conference AICONF 2024).
- NPTEL Certified: Programming Through C++ (Silver Medal).
- Community Head (Campus Ambassador) at Pregrad, Delhi.
- Organized Technophilia 3.0 - Robotics Tech Event (20+ colleges nationwide).
- Machine Learning and Web Development Certified (Internshala + NPTEL).