

Bhikrant Borah



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Jorhat, Assam



LinkedIn



GitHub

Enthusiastic Full-Stack Developer with expertise in MERN stack, backend development, mobile app development using React Native and AI/ML research. Passionate about building scalable applications and implementing best practices.

EDUCATION

JORHAT ENGINEERING COLLEGE

Oct 2022 - June 2026

B.Tech in Computer Science Engineering

CGPA : 8.75

EXPERIENCE

Research Intern - Kaziranga University

June 2024 - August 2024

- Developed LSTM models achieving 93% accuracy in predicting CGPA and placements for final-year BTech students (2024).
- Trained on a dataset of ~400 student records, optimizing model performance with early stopping, L2 regularization, batch normalization, and dropout techniques to prevent overfitting.
- Explored metaheuristic algorithms like Genetic Algorithm to enhance LSTM performance.
- Analyzed performance gains of metaheuristics over GridSearch and RandomSearch, improving accuracy from ~60% to over 90%.

PROJECTS

Tuneln-Music WebApp (MERN Stack)

Dec 2024 - Jan 2025

- Developed and deployed a **MERN**-stack music streaming app with real-time chat using **Socket.io** for messaging and activity tracking.
- Built with **Node.js**, **Express**, **MongoDB**, and **React (Redux Toolkit, Tailwind, ShadCN)** for a seamless user experience.
- Implemented **Google OAuth** and **Firebase** authentication for secure access.
- Stored songs on **Cloudinary (SaaS)** and enabled auto-genre classification upon upload.
- Features include recently played tracks, trending songs, artist/genre search, playlist creation, and a **personalized recommendation** section based on user listening history.
- Designed a **user dashboard** displaying their own **daily plays, top songs, and favorite artists** with graphical insights.
- Developed an **admin dashboard** for managing songs, albums, monitoring user activity, and tracking platform trends.

Authentication WebApp (MERN Stack)

Sept 2024 - Oct 2024

- Developed a secure authentication system using **MongoDB**, **Express**, **React**, and **Node.js (MERN)** with best practices, including **strong password policies** (character limits, uppercase, special characters, etc.).
- Implemented user sign-in, sign-up, and forgot password functionality with **OTP-based email verification**.
- Integrated **JWT (JSON Web Tokens)** and **cookies** for secure authentication and session management.
- Added **email notifications** for welcome messages, account verification, and password reset requests.
- Ensured robust security with proper validation, encrypted user credentials, and session handling.

SKILLS

- Languages:** JavaScript, JAVA, TypeScript, Python, SQL, C++, C, HTML, CSS
- Frameworks and Libraries:** NodeJS, React, React Native, TailwindCSS, NativeWind, NextJS, Bootstrap, Pandas, Scikit-Learn
- Platforms:** Visual Studio Code, IntelliJ, Jupyter Notebook, Expo, React Native-CLI
- Others:** RESTful APIs, Firebase, Git, Docker, Canva.

EXTRACURRICULARS

- Design Coordinator** at **Google Developer Students Club**, JEC.
- Member** and **Mentor** at **DCODE Coding Club**, JEC.