

# SAMIR ALAM

@ samiralam5533@gmail.com

+91 7564873856

<https://samiralam.onrender.com>

## EDUCATION

B.Tech in Electronics and Communication Engineering

Assam University, Silchar

graduated: july 2024

## WORK EXPERIENCE

Web Development Intern

Yaag Udyog Private Limited

1 June 2023 – 30 June 2023 Cachar, Assam

- Development of Data Collection for ML Applications
- Developed RESTful APIs using Node.js and Express to facilitate the seamless integration of data collection processes with the front-end, ensuring efficient data flow and real-time updates.
- Built a dynamic and responsive user interface using React.js, enabling users to easily upload, label.
- Implemented MongoDB for scalable data storage, allowing for the efficient handling and retrieval of large datasets.
- Integrated React.js front-end with Node.js/Express back-end to create a seamless, full-stack web application for efficient data collection, ensuring smooth communication between client and server.

## COLLEGE PROJECTS

Speaker Recognition

Deep Learning

- Developed a speaker recognition model using Convolutional Neural Networks (CNNs) and ResNet-18, achieving high accuracy in identifying and verifying speaker identities from audio data.
- Implemented a hybrid model combining CNNs and ResNet architectures, leveraging the strengths of both to improve feature extraction and classification performance in challenging speaker recognition tasks.
- Preprocessed and augmented audio datasets to enhance model robustness, including techniques such as noise reduction, feature scaling, and spectrogram generation for input to the CNN and ResNet models.

## ACHIEVEMENT

500+ Problems on Various Coding Platform

- At highest rating on codechef (1580).
- 5 star at HackerRank.

## TECHNICAL SKILLS

Proficient At:

- C, C++, DSA, DBMS, OOPs, Javascript, React Js, Mongoose, MongoDB, Express, Node Js, Rest API, HTML, CSS, JSON, Bootstrap

Interests:

- Deep Learning, Problems Solving, Computer Network, OS

Other:

- Postman, Github, VS code

## PROJECTS

E-Commerce Web Application

MERN Stack

- Established a robust backend using Node.js and Express.js to handle HTTP requests, user authentication, and authorization.
- Integrated a payment gateway (e.g., Stripe, PayPal) into the application, enabling secure and seamless processing of customer payments and order transactions.
- Developed RESTful APIs for CRUD operations, enabling seamless communication between the front-end and MongoDB database for real-time data management.
- Created a dynamic and intuitive user interface using React, allowing seamless navigation through product catalogs and user authentication features.

Portfolio

MERN Stack

- Developed a personal portfolio website using the MERN stack, featuring a Node.js and Express.js backend to handle server-side operations and routing.
- Created a responsive and visually appealing front-end using React.js combined with Bootstrap, ensuring an intuitive user experience across devices.
- Implemented dynamic content loading and seamless navigation between portfolio sections, showcasing projects, skills, and contact information.

Music Player

HTML, CSS, Javascript

- Designed and developed a fully functional music player using HTML, CSS, and JavaScript, featuring a sleek and responsive user interface for an enhanced listening experience.

## LANGUAGES

- Hindi.
- English.