

ROHIT ROY

Guwahati, Assam

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Education

NIT Silchar

Bachelor of Technology in Electronics and Communication (CGPA of 8.28)

2020 - 2024

Assam, India

B.Barooah College

Higher Secondary (77.6%)

2017 - 2019

Assam, India

Experience

IIT Kharagpur

Summer Research Intern

05/2022 – 07/2022

Onsite

- I have successfully implemented an Ad-Hoc network between Raspberry Pi nodes utilizing both the inbuilt Wi-Fi and an external Wi-Fi extender. This configuration is designed to be utilized within a UAV system.
- I have actively engaged with the latest open-source technology, Open-HD, which operates on Wi-Fi broadcasting principles. Through this technology, I have achieved a video transmission range of approximately 2 kilometers without relying on any external network.

Projects

GoFood | Express JS, React Js, Mongo DB, Node JS | (link)

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- Developed an interface, empowering over 10 local food stalls to swiftly transition online, establishing a robust Business-to-Customer (B to C) platform that witnessed a threefold increase in customer reach within three months.
- Implemented a cutting-edge buy feature enabling seamless direct ordering from food stalls, resulting in a 40% increase in customer adoption and reducing order processing time by 25%.

Camping Website | NodeJS, MongoDB and Express | (link)

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- Spearheaded the creation of a full-stack website showcasing 30+ campgrounds worldwide, allowing authorized users to seamlessly add, edit, or delete campsites. This led to a 50% increase in user engagement within the first six months. Authorized users were empowered to add, modify, or remove campgrounds, resulting in enhanced user experience and increased engagement.

Hi-Buddy | Express JS, React Js, Socket.io, Node JS | (link)

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- Innovated a real-time, interactive chat app with message broadcasting capabilities, resulting in a 60% surge in user engagement and active participation within the community.

Achievements

- Highest rating of **1678** at Leetcode, which is the top site in terms of participation of programmers across the globe.
- Solved more than 700+ problems across platforms.
- Ranked **1** at Sprectrum 2.0, branch fest of ECE department in NIT Silchar, in Arduino Mania

Profile Links

- Codeforces
- Leetcode

Technical Skills

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

Technologies/Frameworks/Libraries: ReactJS, ExpressJS, EJS

AI Tools/ Prompting tools: Chat GPT, Merlin

Database and Language: Mongo DB, MySQL

Version Control/IDE: Git, GitHub, Visual Studio Code

Other Interests/Extracurricular Activities

General Secretary: Served as the general secretary of Robotics Club, 2022-23

Senior Technical Member: Served as the senior technical member of Finance Club, 2022-23