

PROBAL PROTIM HAZARIKA

+91 600321091 ✉ probalhazarika35@gmail.com

[in linkedin](#) [github](#)

Education

Jorhat Engineering College

B.Tech in Computer Science & Engineering

2022 – 2026

Jorhat, Assam, 785007

Vivekananda Kendra Vidyalaya

Higher Secondary, Score - 90

2019 – 2021

Golaghat, Assam, 785621

Vivekananda Kendra Vidyalaya

High School, Score - 95

2007 – 2019

Golaghat, Assam, 785621

Experience

Assam Power Distribution Company Limited (APDCL)

Industrial Internship

2025

Guwahati, Assam

- Developed a **secure E-File Tracking System** web application to digitize internal file management [[View Project](#)].
- Implemented **user authentication, role-based access control**, and interactive dashboards.
- Designed modules for **real-time file tracking, audit trails, and record management** improving transparency.
- Built using **Node.js, Express.js, MongoDB, and EJS**, ensuring scalability and data consistency.

National Institute of Technology (NIT) Agartala

Academic Internship under Professor Kunal Chakma

2024

Agartala, Tripura

- Contributed to the **TREC 2024 Retrieval Augmented Generation (RAG)** shared task.
- Applied **machine learning** and **information retrieval** to improve document ranking and response relevance.
- Implemented **neural retrieval models** (dense retrievers, embeddings-based search) for enhanced retrieval accuracy.
- Experience with **Natural Language Processing (NLP)** pipelines and **evaluation metrics** for large-scale datasets.

Projects

Airbnb Clone | *Spring Boot 3, Angular 17, TypeScript, PrimeNG, PostgreSQL, Auth0* [[Project Link](#)]

2025

- Developed a full-stack **Airbnb Clone** web application using **Angular (TypeScript)** for frontend and **Spring Boot (Java)** for backend services.
- Implemented **secure OAuth2 authentication and authorization** using **Auth0**, role-based access.
- Designed and built modules for **property listings, booking management, payments, and search optimization**.
- Integrated **PostgreSQL** database with efficient RESTful APIs, ensuring **data consistency, scalability, and high performance**.

School Management System | *MERN Stack (MongoDB, Express.js, React.js, Node.js)* [[Project Link](#)]

2024

- Engineered a full-stack web application to manage class data using the **MERN stack** architecture.
- Implemented **role-based authentication and authorization** for Admin, Teacher etc using secure RESTful APIs.
- Developed features for **attendance tracking and performance analytics** with optimized CRUD operations.
- Built an interactive and responsive **React.js** frontend integrated with a **Node.js and Express** backend connected to **MongoDB** for real-time data persistence.

Achievements

Winner – Inter-College Coding Hackathon

2024

- Secured **1st place** among 150+ participants by developing an efficient algorithm-based solution under time constraints, showcasing strong analytical and coding skills.

Best Innovative Project Award – TechFest

2023

- Recognized for building a **real-time web application** integrating MERN stack and cloud technologies, earning accolades for innovation, usability, and technical execution.

Skills

Languages: C/C++, Java, Python, JavaScript (ES6+), SQL

Technologies & Tools: HTML5, CSS3, MERN Stack, Git, GitHub, Google Cloud Platform (GCP), Machine Learning, NoSQL, Web3