

# Imran Biswas

+91-7365057128 | imran.biswas.dev@gmail.com | Portfolio Website

## EDUCATION

### GCETT, Berhampore

B.Tech in Computer Science and Engineering

Nov, 2020 - Jul, 2024

West Bengal, India

- **GPA:** 8.76/10.0
- **Coursework:** Data Structure, Algorithms, Operating System, Computer Networking, Databases, OOPs

## SKILLS

**Programming Languages:** Python, Javascript, TypeScript, Java

**Frontend Development:** Html, CSS, TailwindCSS, JavaScript, React.JS, Next.JS

**Backend Development:** FastAPI, gRPC, ExpressJs, Spring, Spring Boot, Spring MVC

**Database and ODM:** MySQL, MongoDB, Mongoose, Mongoengine

**Mobile Application Development:** React Native

**Tools:** Git, GitHub, AppSmith, SwaggerUI, Postman

## EXPERIENCE

### Nimblework, Inc.

Jan, 2024 - Present

Software Engineering Consultant

- Engineered **95+** high-performance APIs for AgWise backend using **Python**, **FastAPI**, and **Pydantic**, achieving **500ms P99** response time.
- Developed APIs using **gRPC** and **Protobuf**, enhancing inter-service communication efficiency and data serialization in the **microservices** architecture.
- Developed AgWise web application using **Next.js**, **TypeScript**, and **TailwindCSS**, following **microfrontend** architecture. Utilized **Turborepo** for efficient **monorepo** management, enhancing collaboration and code sharing across teams.
- Built **progressive web application (PWA)** using **React.js**, optimizing for offline functionality and mobile performance
- Developed a mobile application from scratch using **React Native**, leveraging **React Native Paper** for consistent UI/UX, **Zustand** for global state management.
- Developed an admin dashboard using **AppSmith** to streamline data visualization and management within AgWise databases.

### MarsTrack Technologies Ltd

Oct, 2023 - Jan, 2024

Software Engineer Intern

- Transformed **2** existing ERP web applications into mobile apps using **React Native** and **TypeScript**, enhancing accessibility and user reach.
- Converted **10+** modules and **30+ pages** from **React.js** to **React Native**, ensuring feature parity between web and mobile platforms
- Designed intuitive **wireframes** for mobile app interfaces, optimizing user flow and interaction patterns.

## PERSONAL PROJECTS

### EasyTour

GitHub

Node.js, Express.js, REST API, MongoDB, Mongoose

- Developed a robust, modular backend for a tour booking application with **20+ RESTful APIs** using **Express.js**, **MongoDB**, and **Mongoose** supporting CRUD operations, booking statistics retrieval.
- Implemented **JWT** authentication and authorization for secure user login and access control, complemented with **Helmet.js** for **HTTP headers security** and **rate limiting** for **DDoS protection**.

## LINKS

**LeetCode** Solved over 270+ problems on LeetCode.

**GeeksforGeeks** Solved 130+ problems on GeeksforGeeks.