# ANKAN CHAKRABORTY

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## Summary

Full Stack Developer specializing in MERN stack and React Native (Expo), building production-grade healthcare and social applications. Project Associate at IIIT Guwahati developing secure, scalable platforms using JWT authentication, REST APIs, MongoDB/MySQL, real-time systems, and cloud deployments.

## Experience

**Full stack developer (previously Intern)**                           May 2024 – Present
Indian Institute of Information Technology, Guwahati
*Startup - Precise Medication Research Private Limited*

- Developed and deployed full-stack healthcare and cancer-care mobile/web applications using MERN and React Native (Expo), supporting real-world clinical workflows.
- Designed JWT-secured REST APIs and scalable backend systems, contributing to production deployments via Vercel and GoDaddy.

**Business Development Executive**                           August 2021 - September 2021
Tuuple Technocraft Pvt. Ltd.

- Supported lead generation and strategic outreach for tech product sales.
- Gained exposure to client engagement and proposal drafting.

**Data Research Analyst, Email Marketer, Team Lead - Intern**          May 2021 - June 2021
ACE Overseas Education Consultants

- Conducted market research and data compilation for international student placements.
- Managed email marketing campaigns and coordinated tasks within a small team.

## Skills

**Languages & Frameworks**

- JavaScript, Node.js, Python
- React, React Native, Express.js

**Databases & Auth**

- MongoDB, MySQL
- JWT, Firebase Auth, OAuth

**Backend Concepts**

- REST APIs, Role-Based Access Control
- CRUD Operations, MVC Architecture

**Tools & Platforms**

- Git, Postman, AWS
- Expo Go

## Projects

**Healthcare App Suite — IIIT Guwahati**                    *React Native, Node.js, MongoDB, JWT, Vercel*

- Mobile and web applications used for symptom based Appointments, Health and Record monitoring and connectivity between Doctors, Patients and Clinics/Hospitals.
- Use apps:
  - TYD Doc: https://play.google.com/store/apps/details?id=com.tellyoudoctor.doc
  - tellyoudoc: https://play.google.com/store/apps/details?id=com.tellyoudoc.patient
  - ME-App: https://play.google.com/store/apps/details?id=com.tellyoudoc.meapp

**Artpriyo – Photography Competition & Social Media App** *React Native, Node.js, MongoDB, JWT, Firebase Cloud Messaging*

- Developing as an end-to-end mobile platform combining photography competitions and social networking, enabling users to join events, post photos, chat in real time, and connect with others.
- Designed and implemented a role-based admin panel and JWT-secured REST APIs using Node.js and MongoDB for user, competition, and submission management.
- Integrated Razorpay wallet top-ups, UPI withdrawals, cron-based winner evaluation, and FCM real-time notifications; currently under active development with additional features in progress.

## Education

**B.Tech, Computer Science and Technology** — Bengal College of Engineering and Technology, CGPA: 7.98/10 (2025)

**Diploma, Computer Science and Technology** — Dr. B.C. Roy Polytechnic College, CGPA: 8.4/10 (2022)