

Jiten Kumar Shah

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EDUCATION

- National Institute of Technology, Silchar** Assam, India
B.Tech in Computer Science and Engineering; CGPA: 6.33
Jul 2022 – Present
- Pragjyotika Junior College, Jorhat** Assam, India
Higher Secondary (Class XII); Percentage: 80.0
Jul 2019 – Jun 2021

PROJECTS

- MakeMyPlan – AI-Powered Itinerary Planner**
 - **Core Functionality:** Developed a service using the Google Gemini API to generate custom travel itineraries based on user-specified inputs like destination, budget, and interests.
 - **Key Architecture:** Implemented a scalable backend with a dual-mode storage system (PostgreSQL/in-memory) and enforced end-to-end type safety with Zod for robust, error-free deployment.
 - **Tech Stack:** React — Node.js — TypeScript — PostgreSQL — Express.js — Tailwind CSS — Drizzle ORM — Zod

RESEARCH EXPERIENCE

- Blockchain-based QR Reward System** May 2025 – July 2025
Summer Research Intern — National Institute of Technology, Silchar
 - **Objective:** Developed a dApp using React, Solidity, and IPFS to enable QR code-based access to encrypted content and receive on-chain crypto-rewards.
 - **Impact:** Engineered the system to simplify blockchain accessibility for non-technical users through a gamified interface and secure MetaMask integration for user privacy.

COMPETITIVE PROGRAMMING

- **LeetCode Profile:** ALPSTONE — Solved 300+ problems, beats 97% of users
- **Languages:** C++ (most used), C, Java
- **Topics:** Advanced: Dynamic Programming, Backtracking, Union Find
Intermediate: Hash Table, DFS, Trees
Fundamental: Arrays, Strings, Two Pointers

RELEVANT COURSEWORK

- **Core Subjects:** Data Structures, Algorithms, OS, CN, DBMS, TOC, Compiler Design, AI, SE, CA, Discrete Math, Graph Theory
- **Electives:** NLP, Blockchain, Machine Learning, Cryptography and Security

SKILLS

- **Languages:** Solidity, Python, C, C++, Bash, R
- **Frameworks & Libraries:** TensorFlow, Keras, Scikit-learn, NLTK, SpaCy
- **Tools & Databases:** Docker, Git, MySQL, SQL, Remix IDE
- **Platforms:** Linux, Windows, Web, Arduino, Raspberry Pi
- **Soft Skills:** Leadership, Event Management, Public Speaking, Writing, Time Management

CERTIFICATIONS

- **8085 Microprocessor — Bharat Acharya Education:** Learned instruction set architecture, addressing modes, and programmed basic 8085 logic.
View Certificate