

# Pratham Patil

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## EDUCATION

### Indian Institute of Information Technology, Guwahati

2022-2026

*Bachelor of Technology, Computer Science and Engineering*

*CGPA: 7.06*

- **Coursework:** Data Structures & Algorithms, Operating Systems, Database Management Systems
- Computer Networks, Machine Learning, Artificial Intelligence, Cloud Computing

### VIDYADHAM COLLEGE

2020-2022

*HSC BOARD*

*88.17%*

### ST.LAWRENCE HIGH School

TILL 2020

*SSC BOARD*

*95.80%*

## EXPERIENCE

### Coding Bits

March 2025 - May 2025

*Backend Developer Intern*

- Built scalable backend services using Node.js, Express.js, and MongoDB to support live user actions.
- Integrated RESTful APIs with frontend components, improving UI responsiveness and data accuracy.
- Implemented JWT authentication and database indexing for secure and fast API performance.

### INFOSYS

April 2024 – June 2024

*Full Stack Developer Intern*


- Developed an account system with editable user profiles, session tracking, and account activity logs.
- Created responsive login and dashboard interfaces with real-time updates and alerts.
- Built a dynamic stock and order history section with clean backend integration and fast query execution.

## PROJECTS

### Safety AI | ML-Driven Safety [Git](#) | Video | PPT | Python, Flask, TensorFlow, ResNet50, YOLOv5, HTML, JS



- A Machine learning-based surveillance system leveraging ResNet-50 for crime classification and YOLOv5 for real-time weapon detection.
- Built an intuitive web dashboard with live monitoring, SOS alerts, emergency contacts, crime updates, cybersecurity tips, legal help, and safety tools.
- Integrated quick emergency access, severity classification, and SMS notifications for critical threat events.

### Cruise Up | Car Rental Application

 [Git](#) |  Video | JavaScript, Node.js, React.js, TailwindCSS, MySQL

- Premier Service: A premier vehicle rental service offering 50+ vehicle options, with a user interface that enhances rental efficiency by 30%.
- Full-Stack Implementation: Developed secure authentication and seamlessly integrated backend with frontend, improving performance by 20%.

### Virtual Stock Market | Trading Site

 [Git](#) |  PPT | Node.js, React.js, JavaScript, Express.js, MongoDB

- Real-Time Trading: Developed cryptocurrency trading with sub-200ms latency and implemented dynamic leaderboard updates, cutting refresh times by 40%.
- User Engagement: Enhanced user engagement by 30% through real-time notifications and performance tracking features.

## TECHNICAL SKILLS

**Programming Languages:** C, C++, Java, Python, JavaScript

**Databases:** MySQL, NoSQL (MongoDB)

**Frameworks & Platforms:** NodeJS, ExpressJS, React.js, AWS, Git, VsCode, Figma

**Concepts:** Data Structures & Algorithms, Object-Oriented Programming (OOPs), Machine Learning, Artificial Intelligence

## ACHIEVEMENTS

**Microsoft Challenge:** Conquered the Microsoft Learn Challenge: Build Edition

**LeetCode:** Earned two 50 Days badges for consistent algorithmic problem-solving and coding practice

**Flipkart Grid 6.0:** Aced Round 1 with strong coding and analytical skills

**Hackathons:** Participated in Flipkart Grid, Adobe GenSolve, Walmart Sparkathon, SIH, TVS Credit