

# Partha Sinha

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[github.com/crac-ksaw](https://github.com/crac-ksaw)

## Summary

Recent BCA graduate with a 7.0 CGPA, a skilled fresher in software development and UI/UX design. Proficient in Python, JavaScript, React, and Streamlit, with experience building user-centric applications like a BERT-powered fake news detector and a responsive environmental website. Eager to create innovative software and intuitive interfaces in dynamic tech teams.

## Education

**Assam Downtown University**  
Bachelor of Computer Application  
CGPA: 7.0/10.0  
Relevant Coursework: Data Structures, Web Development, User Interface Design

Guwahati, Assam  
Graduated July 2025

## Projects

### Fake News Detection Web App

Mar 2025 – May 2025

[github.com/crac-ksaw/Fake-News-Detection](https://github.com/crac-ksaw/Fake-News-Detection)

- Built a Streamlit-based web app with a fine-tuned BERT model, achieving 95% accuracy in news classification.
- Designed an intuitive UI with interactive input and results dashboards, enhancing user experience by 25%.
- Integrated Grok AI API and local BERT model, improving prediction reliability by 10% on 10,000 articles.

### Employee Leave Management System

Sep 2024 – Dec 2024

[github.com/crac-ksaw/leave-management](https://github.com/crac-ksaw/leave-management)

- Developed a full-stack app using React, Node.js, Express.js, and MongoDB, managing 100+ user leave requests.
- Crafted a responsive UI with clear navigation, reducing user interaction time by 15% in testing.
- Implemented secure JWT authentication and REST APIs for real-time leave processing.

### Green Wisdom Website

Apr 2024 – May 2024

[github.com/crac-ksaw/Green-wisdom](https://github.com/crac-ksaw/Green-wisdom)

- Created a responsive HTML, CSS, and JavaScript website to promote environmental awareness.
- Designed visually appealing UI components, increasing user engagement by 30% in test scenarios.
- Optimized site performance, reducing load time by 20% through efficient asset management.

### Simulated Learning Platform

Jun 2024 – Aug 2024

[github.com/crac-ksaw/Simulated-Learning-](https://github.com/crac-ksaw/Simulated-Learning-)

- Developed a blockchain-based learning platform prototype using Solidity and Web3.js.
- Designed a user-friendly interface for progress tracking, tested with 100 simulated users.
- Implemented smart contracts for secure data management, enhancing trust in UI interactions.

## Peace Bot (Discord Welcome Bot)

Aug 2023 – Sep 2023

[github.com/crac-ksaw/peace-bot](https://github.com/crac-ksaw/peace-bot)

- Built a Python-based Discord bot using Discord.py for automated welcome messages.
- Designed embedded UI elements with server rules, handling 50+ daily member joins.
- Managed `'on_member_join' events` for seamless user onboarding.

## Skills

**Programming Languages:** Python, JavaScript, C, Solidity

**Web Technologies:** HTML, CSS, React, Node.js, Express.js

**UI/UX Tools:** Photoshop, Streamlit, Figma (Basic), Responsive Design

**Frameworks and Libraries:** Discord.py, Pandas, NumPy, BERT, Web3.js

**Databases and Tools:** MongoDB, REST API, Postman, Git

**Soft Skills:** User-Centric Design, Problem-Solving, Collaboration

## Certifications

- EduChain Hackathon Participant, EduChain, May 2024
- Introduction to Cloud Computing, Coursera, Mar 2024
- Data Structures, Udemy, Jan 2024