



# SHIBAM CHANDRA KARMAKAR

Aspiring Software Developer

## PROFILE

Seeking a challenging role as a software engineer to apply my skills in machine learning, natural language processing, and web development, contributing to innovative solutions and organizational growth.

## CONTACT

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## HOBBIES

Gaming

## SKILLS

- Programming Languages: **C, Python, Java, JavaScript.**
- Web Development: **Flask, Bootstrap 5, HTML, CSS, Node.js.**
- Data Analysis: **Machine Learning, Natural Language Processing (NLP)**
- Tools: **Data Structures & Algorithms, SQL, Arduino, MS OFFICE, EXCEL.**

## EDUCATION

### Techno Engineering College Banipur

2021-2025

Bachelor of Technology (B. Tech) in Computer Science & Engineering | SGPA: 8.2

### Prafullanagar Vidyamandir (H.S)

2021

Class XII (Higher Secondary) | 77.8%

### Prafullanagar Vidyamandir (H.S)

2018

Class X (Higher Secondary) | 80%

## WORK EXPERIENCE

### C-DAC (Internship)

05/02/2024-05/07/2024

NLP Application

- Designed a website capable of text translation, text transliteration, Optical Character recognition, Text to Speech, Text Abbreviation and text anonymization.
- Tools: Flask, NLP Libraries.
- Organization: C-DAC Kolkata | Duration: 6 months.

## Projects:

### 1. Tic Tac Toe Game Application

- Developed a functional game application using C programming.
- Implemented optimized algorithms to enhance gameplay experience

### 2. TRIPMATE Travel Planning Web Application:

Developed a web-based travel planning application (TRIPMATE) utilizing OpenStreetMap for interactive route visualization and dynamic stoppage suggestions tailored to user travel speed preferences (Express, Standard, Relax). Integrated the OpenWeatherMap API to display real-time weather forecasts at each stop and a custom hotel API (5,000+ entries) to recommend accommodations based on user budget and proximity, implementing intelligent estimation logic to optimize travel itineraries.

Tools: OpenStreetMap API, OpenWeatherMap API, Custom Hotel Database/API, JavaScript, HTML/CSS.

Organization: Final year project (Techno Engineering College Banipur) | Duration: 4 months.