

# Pritam Karmakar

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## Career Objective

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Motivated Computer Science graduate and Full Stack Developer with hands-on experience building scalable healthcare platforms. Seeking an Associate Product Engineer or Full Stack Developer role to contribute to real-world products using modern backend systems, mobile applications, and cloud-native tooling.

## Experience

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### Full Stack Developer

*April 2024 – Jan 2026*

#### Precise Medication Research Pvt. Ltd.

- Developed and maintained a multi-tenant healthcare platform (patient app, doctor app, admin panel).
- Built REST APIs using Node.js and Express with Redis caching and Dockerized services.
- Improved performance and reliability via query optimization, caching, and background job handling.
- Implemented monitoring and logging using Prometheus, Grafana, and Loki.
- Collaborated cross-functionally to deliver features end-to-end in an agile environment.

## Technical Skills

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**Frontend / Mobile:** ReactJS, React Native, Expo, HTML5, CSS3, JavaScript (ES6+)

**Backend:** Node.js, Express.js

**Database / Cache:** MongoDB, Redis, Firebase

**DevOps / Tools:** Docker, Docker Compose, Git, GitHub, VS Code

**Monitoring:** Prometheus, Grafana, Loki

**Other:** REST API Design, MVC Architecture, CI/CD Basics, Agile Methodology

## Projects

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### Multi-Tenant Healthcare Platform

*Node.js, Express, Redis, Docker, Firebase, React Native*

- Building a scalable healthcare system with patient, doctor, and admin applications.
- Implemented authentication, background jobs, and real-time notifications.
- Deployed services using Docker with environment-based configurations.

### MoChat — Real-Time Chat & Calling App (Learning Project)

*React Native, Node.js, WebRTC, WebSocket, MongoDB*

- Built a real-time chat app with text, media sharing, and WebRTC-based audio/video calls.
- Implemented WebSocket signaling and WebRTC peer connection lifecycle.
- Integrated JWT authentication and Cloudinary media uploads.

## Movie Watchlist App

*React Native, TMDB API*

- Developed a mobile app to browse, search, and save movies using third-party APIs.

## Final Year Project (Ongoing)

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### Voyarge — AI-Powered Trip Planning Mobile App

*React Native, Node.js, Express, MongoDB, Socket.io, AI Integration*

- Developing an AI-assisted travel planning app with multi-day itineraries and real-time collaboration.
- Implemented REST APIs, Socket.io collaboration, and secure JWT-based authentication.
- Integrated AI services and third-party APIs for maps, weather, and trip data.

## Education

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### Bachelor of Technology in Computer Science and Engineering

Abacus Institute of Engineering and Management  
Maulana Abul Kalam Azad University of Technology  
*GPA: 7.55*

*Present*

### Diploma in Computer Science & Technology

Techno Polytechnic Durgapur  
West Bengal State Council of Technical & Vocational Education  
*GPA: 8.7*

*2023*

### Higher Secondary (Class XII)

Nalhati Hariprasad High School  
West Bengal Council of Higher Secondary Education  
*Percentage: 75.2%*

*2021*

### Matriculation (Class X)

Nalhati Vivekananda Vidyapith High School  
West Bengal Board of Secondary Education  
*Percentage: 66.7%*

*2019*

## Soft Skills

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Effective Communication, Problem Solving, Critical Thinking, Time Management, Adaptability, Team Collaboration

## Languages

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Bengali, English, Hindi

## Declaration

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I hereby declare that all the information provided above is accurate and truthful to the best of my knowledge.

Date:  
09 January 2026

Signature:  
Pritam Karmakar