

Prithwjit Ghosh

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Kolkata, West Bengal

Professional Summary

Computer Science graduate specializing in System Architecture, Platform Engineering, and AI/ML. Experienced in designing and building scalable full-stack applications and award-winning projects. Passionate about crafting clean, elegant code, thoughtful system design, and delivering intelligent AI-driven solutions that make a real impact.

Technical Skills

- **Languages** Python, Java, C++ , JavaScript, SQL
- **Frameworks & Technologies** Node.js, Hono, Bun, PostgreSQL, Docker, n8n, OAuth, Data Structures & Algorithms
- **Tools & Platforms** Git, GitHub, Supabase
- **Cloud & Infrastructure** AWS (EC2, IAM/Configuration), IIS Administration

Education

Techno India University Aug 2021 – Jul 2025
B.Tech in Computer Science with AI/ML Kolkata, WB
– **CGPA:** 8.17 / 10

Experience

Rajwada Infotech Mar 2026 – Present
Software Developer Kolkata, WB

- Led full-stack development of a large-scale enterprise resource planning platform for the construction and civil engineering sector, built using React, TypeScript, Node.js, and SQL Server
- Architected and developed core financial and inventory management modules, streamlining processes such as transaction processing, reconciliation, and stock tracking across multiple business units
- Implemented role-based access control and configurable approval workflows, contributing to a production system currently deployed across live enterprise operations

ShahparPay Solutions Pvt Ltd. Mar 2026 – May 2026
Full Stack Developer Kolkata, WB

- Developed a full-stack platform for digital payments and distributor operations management using PHP and MySQL, improving transaction processing efficiency
- Built an administrative dashboard featuring authentication, activity tracking, and reporting capabilities to improve operational visibility for business stakeholders
- Designed core database architecture and business logic, integrating external financial service APIs to support reliable, end-to-end payment workflows

Projects

InkVisage | React, TypeScript, SQLite, Prisma, Socket.io, Tailwind CSS Jul 2026

- Built an AI-powered tattoo platform with AR body preview, style-based design generation, and Meilisearch-driven artist/gallery discovery
- Engineered a multi-role marketplace with real-time booking, messaging, and notification systems across artists, shops, and clients

GeoVisionAI | Python, PyTorch, OpenLayers, WMS Dec 2024

- Developed AI-driven video generation from satellite imagery using frame interpolation
- Implemented encoder-decoder CNN architecture for smooth cloud motion visualization

NextRead TanStack, Tailwind CSS, Supabase, Google Books API	Sep 2024
– Engineered AI-powered book recommendation platform based on user reading preferences	
– Built dynamic dashboard with real-time reading journey visualization	
Epiphany Next.js, Clerk, Convex	Jun 2024
– Architected AI-assisted learning platform supporting 100+ concurrent users	
– Developed ML-based study path optimization and NLP chatbot using Transformers	

Honors & Awards

AI Unite Hackathon Winner <i>Epiphany AI Academic Platform</i>	Jun 2024
Smart India Hackathon Runner-Up <i>Myrtle Image Recognition System</i>	Oct 2023

Certifications

- **Anthropic** Introduction to Model Context Protocol (Mar 2026)
- **Coursera (IBM)** Data Science Professional Certificate (Sep 2025)
- **Udemy** Master in Artificial Intelligence (Aug 2025)
- **Stanford** Machine Learning (Jun 2024)
- **IIT Bombay** e-Yantra Robotics with VLSI (2023)