Debayudh Basu

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PROFESSIONAL SUMMARY

Full-Stack Web3 Developer with 2+ years of experience building decentralized applications, NFT marketplaces, and blockchain solutions. Expertise in React.js, Next.js, Solidity, and smart contract development. Proven track record with multiple hackathon wins and client projects delivering end-to-end solutions.

TECHNICAL SKILLS

Frontend: React.js, Next.js, JavaScript, HTML5, CSS3, Three.js, Flutter, React Native
Backend: Node.js, Express.js, Flask, Django, NestJS, REST APIs
Blockchain: Solidity, Move, Web3.js, Ethers.js, Wagmi, Smart Contracts, Solana, XMTP
AI/ML: LLMs, NLP, TensorFlow, Machine Learning, AI Integration
Databases: MongoDB, PostgreSQL, Firebase, IPFS
Cloud & Tools: AWS, Azure, Git, Docker, Vercel, Aptos SDK, Petra Wallet

PROFESSIONAL EXPERIENCE

Freelance Full-Stack Developer — June 2024 – Present
Self-Employed — *Remote*

- Delivered 5+ responsive web applications using React.js, Next.js, and modern frameworks for diverse clients
- Built scalable backend solutions with Express.js, Flask, and MongoDB supporting high-traffic applications
- Integrated payment gateways, authentication systems, and REST APIs for e-commerce platforms
- Maintained 98% client satisfaction rate through effective communication and timely project delivery

Backend Developer Intern — August 2024 – January 2025
Logiclens Solution Limited — *Remote*

- Developed backend infrastructure for AI-powered CCTV surveillance system with real-time threat detection
- Implemented APIs for video processing, person detection, and gesture recognition across multiple camera feeds
- Optimized system performance achieving 40% faster response times for critical security alerts

Blockchain & Cloud Igniter — October 2024 – Present
Unstop Igniters Club, RCC Institute — *Kolkata*

- Led blockchain workshops for 100+ students covering fundamentals and development best practices
- Developed demo applications showcasing blockchain use cases and cloud deployment strategies

Web3 and Web2 Associate — October 2024 – Present
Google Developer Group (GDG), RCC Institute — *Kolkata*

- Collaborated on Web3 community initiatives and knowledge-sharing sessions for emerging technologies
- Contributed to planning technical workshops focused on blockchain and decentralized development

KEY PROJECTS

BioxResearch - Research Funding Platform | *Next.js, Solana, AI, Web3.js* | [Live](#) | [GitHub](#) — June 2025

- Built Solana-based research funding platform with AI-empowered research demonstration capabilities
- Implemented smart contracts for transparent funding mechanisms and milestone-based payments
- Integrated AI agents for research proposal analysis and automated peer review processes

Animex - XMTP Gaming Protocol | *Next.js, XMTP, AI Agents, Base* | [Live](#) | [GitHub](#) — May 2025

- Developed web-based gaming protocol with XMTP messaging integration for real-time player communication
- Built AI agent system with specific wallet addresses stored on XMTP for personalized gaming experiences
- Implemented cross-chain messaging capabilities enabling seamless communication across different blockchain networks

DocEase - Medical Communication Platform | *Next.js, Solidity, MongoDB, AI, Avalanche* — April 2025

- Developed hybrid Web2/Web3 DApp for secure doctor-patient communication with HIPAA compliance
- Deployed smart contracts for medical records and built AI chatbot for preliminary consultations
- Created AI prescription analyzer detecting drug interactions with 95% accuracy rate

BrainBoost - AI Learning Assistant | *Next.js, React.js, Firebase, Azure, NLP* | [Live](#) — May 2025

- Built AI learning platform with 3D labs using Three.js and dynamic question generation system
- Implemented comprehensive authentication with role-based access for students, teachers, and admins

AIAX - Financial Management Platform | *Next.js, MongoDB, Ethers.js, CoinGecko API* | [Live](#) — September 2024

- Created financial platform with crypto transaction support and Base Sepolia testnet integration
- Implemented AI agents using AgentKit for autonomous portfolio management and financial insights

EDUCATION

RCC Institute of Information Technology — Kolkata, India
Bachelor of Technology in Computer Science — *2023 – 2027*

St. Stephen's School — Kolkata, India
ISC - 84.5% — ICSE - 87% — *2021 – 2023*

ACHIEVEMENTS & RECOGNITION

Winner - ACM Eastern India Hackathon — May 2025
Association for Computing Machinery — *Eastern India Chapter*

Runners Up - B-Plan 2025 — April 2025
IIC Techno Main — *Kolkata*

Winner - TechTrek InnoVision 2024 — October 2024
RCC Institute Technical Fest — *Kolkata*

Finalist - Smart Bengal Hackathon 2024 & Udyam Guwahati — 2024-2025
Government of West Bengal & Startup India — *Multiple Locations*