

Rupam Karmakar

Web3 & Backend Engineer | dApps/DeFi | AI/ML | Building QuantumArc Labs

Web3-first backend engineer and builder working across scalable backends, dApps/DeFi, and AI/ML, currently building QuantumArc Labs while specializing in backend systems for blockchain applications. Passionate about shipping production systems with a backend focus, leveraging Web3/blockchain and AI/ML to craft intelligent, secure products that evolve with user needs.

Contact

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[Portfolio Website](#)

Academic Details

- **Engineering - Computer Science**
College Dr. MSIT, Haldia
CGPA: 9.15
- **12th Grade – Science (CBSE)**
PURV International School;
91.34%

Core Competencies

Web3 & Blockchain

DeFi, dApps, smart contracts, Solidity, Move.

Frontend & Frameworks

React, Next.js, Express, Django, Tailwind CSS

APIs & Integrations

RESTful APIs, GraphQL, WebSockets, third-party API integrations

AI/ML & Data

Practical model integration and data pipelines for intelligent systems.

DevOps & Deployment

Docker, GitHub Actions, CI/CD pipelines, Vercel

System Design

Microservices architecture, system scalability, performance optimization

Soft Skills

Analytical | Collaborator | Leader |
Adaptable

Projects

1. CreatorsTribe
2. AccordFolio
3. AptosPay
4. SentimentVelocity Bot
5. Helix.ai
6. SutradharX.ai
7. LumenLabs
8. ArogyaX.ai

Work Experience

QuantumArc Labs

September 2025 – Present

Founder & CTO

- Built event tooling and apps; coordinated hackathon participation, mentorship, and partnerships to accelerate student innovation.

TechFest, IIT Bombay

July 2025 – September 2025

Full Stack Engineer & Campus Ambassador

- Built event tooling and demo apps; coordinated hackathon participation, mentorship, and partnerships to accelerate student innovation.

Josh Talks

January 2025 – April 2025

Linguistic QA Expert

- Provided linguistic expertise to enhance content clarity and communication effectiveness.

Bluestock Fintech

July 2024 – October 2024

Software Development Engineer

- Completed Python programming internship, gaining hands-on experience and enhancing coding skills.

CodSoft

May 2024 – June 2024

Backend SWE-1

- Completed Java & MernStack internship with hands-on experience in coding and big data handling.

Hackathons

1. Got 6th Position at Binary, by KGEK-March'25
2. Got 3rd Position at Hack-Your-Way by TIU-April'25
3. Got 2nd Position at CoreDAO bootcamp at TIU-April'25
4. Got 5th Position at Build On Aptos Bootcamp at Kolkata-May'25
5. Finalist at Smart Bengal Hackathon at RCCIIT-May'25
6. Got 7th Position at Hexafalls, by JIS-June'25
7. Got 4th Position at Build On Aptos Hackathon, by RiseIn-July'25
8. Got a finalist at the Online TechFairness Hackathon organised by HackQuest
9. Got 2nd Position at Avalanche Team 1 Hackathon at Kolkata-August'25
10. Got 1st Position at Avinnya Hackathon by IIT-Guwahati
11. Got 3rd Position at STPI Entrepreneurship Hackathon by IIT-Guwahati
12. Got 2nd Position at Build On Aptos Hackathon, Delhi-Sept'25
13. Got Flow Partner track for the best Mini App at the ETHGlobal New Delhi Hackathon-Sept'25

Competitions

1. Finalist at Cypher0333 at Jadavpur University-April'25
2. Base WildCard Hyperthon Bangalore Edition-Oct '25

Personal Details

Date of Birth: 11th April 2005

Languages Known: English, Hindi and Bengali

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India, 722139