

SUBHAJIT PRADHAN

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Objective

Full-Stack and Blockchain Developer with hands-on experience building AI-driven systems, decentralized applications, and scalable backend architectures.

Education

Centurion University of Technology and Management, Bhubaneswara

Oct 2022 – April 2025

Bachelor of Computer Applications

CGPA: 8.9

Technical Skills

- **Languages:** TypeScript, JavaScript, Solidity, Rust, Go, Python, C++, Java
- **Web:** Next.js, React.js, Node.js, Express.js, Tailwind CSS, Prisma, REST, GraphQL
- **Blockchain:** Ethereum, ICP, Solana, NFT, Smart Contracts, Hardhat, Ethers.js, Web3.js
- **Databases:** PostgreSQL, MongoDB, MySQL
- **DevOps Tools:** Git, Docker, GitHub Actions, Postman

Experience

uElement Technologies

Jan 2026 – Present

Associate Blockchain Developer Intern

Remote

- Architecting optimized Next.js applications with modular backend design and performance-focused rendering strategies.
- Building secure blockchain-integrated systems with smart contract interactions and transaction monitoring.
- Contributing to production-grade architecture emphasizing scalability and API efficiency.

QuadB Technologies

Feb 2025 – March 2025

Blockchain Developer Trainee

Remote

- Built and deployed smart contracts on Internet Computer Protocol (ICP) using Motoko and Rust.
- Developed decentralized applications integrating canister-based backend logic.
- Contributed to blockchain architecture design and contract execution optimization.

Projects

IntentPay – Intent-Centric Web3 Assistant

Node.js, Express, React, Ethers.js

[GitHub](#)

- Architected an AI-powered intent layer enabling natural language blockchain transactions including multi-recipient ETH transfers and DeFi automation.
- Integrated LLM-based tool-calling with dynamic context injection for balance awareness and programmable guardrails.
- Implemented gas-aware EIP-1559 transaction handling with real-time estimation and structured error feedback.
- Designed enterprise-grade security model including AES-256-GCM encryption, bcrypt hashing, and daily spending limits.

Tarka Sabha

Next.js, TypeScript, PostgreSQL, Prisma [GitHub](#) | [Live](#)

- Built an AI-driven autonomous debate platform orchestrating multiple LLM providers via custom routing logic.
- Designed dynamic persona configuration system enabling customizable AI agents and structured debate flows.
- Implemented sequential and mention-based orchestration ensuring controlled multi-agent turn-taking.
- Engineered encrypted API key storage using AES-256-GCM with secure key management.

CampusHelper

Next.js, TypeScript, Prisma, PostgreSQL, Supabase [GitHub](#) | [Live](#)

- Developed a full-stack platform for students and staff to report, search, and claim lost & found items.
- Implemented authentication, image uploads, and optimized database queries using Prisma & Supabase.

QuantumTicket

Solidity, React, Ethers.js, NFT, Vite [GitHub](#) | [Live](#)

- Built a decentralized NFT-based ticketing dApp enabling event organizers to mint, sell, and verify tickets on-chain.
- Designed smart contracts supporting resale royalties and secure on-chain QR verification.