ABHIJEET ROY

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PROFESSIONAL SUMMARY

Full Stack Developer with hands-on experience building production-grade web applications using React.js, Next.js, Node.js, Express.js, MongoDB, and Tailwind CSS. Proven ability to design RESTful APIs, implement authentication systems, and deploy scalable, modular backends. Founder and Lead Developer of GreenDukan, a live eco-commerce platform with payment integration and AI-powered recommendations. Participated in multiple national-level hackathons and recognized with 2nd place at Prajukti 2026.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, HTML5, CSS3

Frontend: React.js, Next.js, Vite, Redux, Tailwind CSS, Responsive Web Design

Backend: Node.js, Express.js, REST API Design, JWT Authentication, MongoDB

Tools & Platforms: Git, GitHub, Firebase, Razorpay, Chrome Extension (MV3)

EXPERIENCE

Founder & Full Stack Developer

GreenDukan | Feb 2025 – Present | Remote

- Architected and deployed a full-stack eco-commerce platform (MERN stack) serving live production traffic at greendukan.in.
- Built and integrated an AI-powered product recommendation engine using machine learning techniques.
- Developed eco-score algorithms to evaluate and rank products by sustainability criteria.
- Implemented dual-wallet financial system with Razorpay payment gateway, coupon engine, and loyalty rewards.
- Designed scalable, modular backend with role-based access control (RBAC), rate limiting, and webhook security.
- Delivered responsive, accessible UI with React.js and Tailwind CSS, optimized for mobile-first usage.

Full Stack Developer Intern

Nandan Social Fly | Aug 2024 – Nov 2024

- Built responsive user interfaces using React.js and Next.js, improving user engagement.
- Integrated frontend components with RESTful backend APIs, ensuring consistent data flow.
- Conducted testing, debugging, and code reviews to maintain code quality and performance standards.
- Optimized component rendering and API call efficiency to reduce page load times.

PROJECTS

GreenDukan – Eco-Commerce Platform

Live: greendukan.in | Tech: React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Redux, Razorpay

- Developed a full-stack sustainable product discovery and e-commerce platform with live production deployment.
- Implemented AI-powered product recommendations and a rule-based eco-scoring system.
- Built community forum, recycling rewards program, and loyalty cashback mechanisms.

CASPER – Centralized Automated Price Estimation for Infrastructure

GitHub: github.com/aroy2o/casper | Tech: Express.js, TypeScript, React.js, Vite, Chrome Extension, Docker (setup)

- Built a multi-service web platform for automated infrastructure cost estimation with a React + Vite PWA frontend.
- Developed an Express.js + TypeScript REST API backend to handle estimation requests and data processing.
- Created a companion Chrome Extension (Manifest V3) for browser-side data capture and submission to the backend.
- Worked with Docker Compose for local service orchestration and explored async job queuing concepts with Redis.
- Integrated an offline translation feature using LibreTranslate to support multi-language input.

AgentForge – AI Agent Platform (Client)

GitHub: github.com/aroy2o/agentforge-client | Tech: React.js, Vite, JavaScript, Tailwind CSS

- Built a real-time chat and agent management frontend for an AI agent orchestration system.
- Implemented voice interaction support and live agent status monitoring dashboard.
- Delivered a responsive, accessible UI optimized for agent task management workflows.

AgentForge – AI Agent Platform (Server)

GitHub: github.com/aroy2o/agentforge-server | Tech: Node.js, JavaScript, REST APIs, Ollama, ChromaDB

- Developed a modular Node.js backend to support an AI agent task automation and chat system.
- Connected the backend to Ollama for local LLM-based chat responses, reducing dependency on paid APIs.
- Explored ChromaDB for persistent memory storage; integrated it to retain context across agent interactions.
- Built REST API routes for agent scheduling, chat, scouting, and task execution with structured service modules.
- Added authentication middleware and basic rate limiting to secure API endpoints.

EDUCATION

Bachelor of Computer Applications (BCA)

Royal Global University, Guwahati, Assam | Expected Aug 2026

Full Stack Web Development Certification

Masai School | Completed Apr 2025

ACHIEVEMENTS & CERTIFICATIONS

- 2nd Place – Prajukti 2026, Girjanand Chaudhry University (National Level)
- Smart India Hackathon – National Level Participant
- HackDays 3.0 – National Level Hackathon Participant
- Edu Chain Hackathon – TeachersReward Project Finalist
- Sheryians Coding School Hackathon – Participant
- Internship Completion Certificate – Nandan Social Fly