

# ARPIT SHARMA

Kupandole, Lalitpur

+977 9847047980

a.k.sharma0369@gmail.com

Arpit Sharma

Arpit Sharma

Arpit-K-Sharma

## EDUCATION

**The British College (Leeds Beckett University)**

**January 2021 – May 2025**

*Bachelor of Science in Computer Science*

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, TypeScript, PHP, Rust, Solidity, Bash

**Technologies/Frameworks:** React.js, Next.js, Node.js, Express.js, FastApi, SpringBoot, Supabase

**Database Design :** MongoDB, MySQL, PostgreSQL

**Cloud & Deployment :** AWS (CloudFront, EC2, S3), Cloudflare, Docker

**Developer Tools:** Docker Desktop, Postman, AWS Management Console, Git, GitHub

## EXPERIENCE

**Digital Horizons**

**Jan 2024 – Jan 2025**

*Software Engineer*

- Developed and maintained enterprise web applications using React, Next.js, Spring Boot, and PostgreSQL, supporting customer workflows and internal operations.
- Automated payroll and inventory processes, reducing manual administrative effort and improving operational efficiency.
- Deployed and managed applications on AWS (EC2, CloudFront) using Docker, ensuring stable and reproducible production releases.

**Sireto Technology**

**Dec 2025 – Present**

*Blockchain Engineering Intern*

- Worked on kuber-client-js, an open-source npm package used to interact with the Cardano blockchain via Kuber APIs for both mainnet and testnet environments.
- Worked with Hydra, Cardano's Layer-2 scaling protocol, to support high-throughput transaction flows and off-chain settlement experimentation.
- Developed and tested smart contracts using Aiken, focusing on correctness, on-chain validation logic, and safe transaction execution.

## PROJECTS

**Wealth Management System** | Next.js, Express.js, PostgreSQL, Solidity, Python | [Code](#)

**May 2025**

- Developed a full-stack personal finance platform supporting expense tracking, investment monitoring, and savings goals with secure JWT authentication.
- Integrated AI-based financial insights and implemented blockchain-backed transaction verification using Solidity smart contracts.

**Cardano Payroll System** | React, Spring Boot, PostgreSQL, Cardano | [Live](#) | [Code](#)

**Dec 2025**

- Designed and built an enterprise-grade payroll system that automates salary payments using on-chain ADA settlements, eliminating intermediaries and manual reconciliation.
- Implemented idempotent blockchain transaction flows and state-tracking to prevent double payments and ensure reliable financial execution.
- Built a secure REST backend with JWT-based role access, real-time transaction monitoring, and an immutable audit trail backed by Cardano blockchain.

**Restore Digital Nepal** | Typescript, Supabase | [Live](#) | [Code](#)

**Sept 2025**

- Built and deployed a mobile-first emergency website within 24 hours to support youth coordination during Nepal's anti-corruption movement.
- Designed a lightweight, high-availability platform capable of handling sudden traffic spikes during a politically critical moment.

## ACHIEVEMENTS

**Harvard University**

**October 2024**

*CS50 Certificate in Computer Science*

- Completed Harvard's CS50, a rigorous introduction to computer science covering algorithms, data structures, and web development.
- Gained proficiency in C, Python, SQL, and foundational problem-solving skills applicable across technical domains.