ARPIT SHARMA

Kupandole, Lalitpur

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Education

The British College (Leeds Beckett University)   January 2021 – May 2025
Bachelor of Science in Computer Science

Technical Skills

Languages: Java, Python, JavaScript, TypeScript, SQL, NOSQL, HTML/CSS
Developer Tools: VS Code,IntelliJ, Docker Desktop, Postman, AWS Management Console
Technologies/Frameworks: MERN Stack, FARM Stack, Java Spring Boot, React, Next.js, FastAPI
Cloud & Deployment : AWS (CloudFront, EC2), Docker

Experience

Digital Horizons   Jan 2024 – Jan 2025
Software Engineer

- Built a printing press ERP system with customer and admin modules using React, Java Spring Boot, Next.js, and FastAPI, enabling customer order management, admin inventory, and HR automation, reducing payroll time by 40% and processing latency by 25%.
- Developed a management system for an educational organization with dashboards for students, mentors, and schools, improving data handling efficiency by 35%.
- Deployed both projects on AWS using CloudFront and EC2 with Docker for consistent deployments, reducing deployment errors by 30%.
- Followed Agile methodology, used GitHub for version control, and led the team to deliver a user-friendly, fast-loading interface, decreasing client load times by 20% while gaining skills in MERN/FARM Stacks, Java Spring Boot, AWS, and Docker.

Projects

Education Management System for IT Courses | *MERN Stack, AWS, Docker*   December 2024

- Built a MERN Stack management system with dashboards for students, mentors, and schools, streamlining operations for an IT and programming organization.
- Deployed on AWS with Docker, ensuring reliable, scalable access and reducing administrative complexity.
- Enabled admin control for efficient management of student, mentor, and school data.

ERP System for Printing Press | *React, Next.js, Java Spring Boot, FastAPI, AWS*   July 2024

- Developed an ERP system for Wordscape, a printing press, with distinct customer and admin interfaces for streamlined management.
- Built the customer side with React and Java Spring Boot for registration, order placement, and tracking.
- Developed the admin side with Next.js and FastAPI for inventory, HR management, and automated payroll.
- Deployed on AWS (CloudFront and EC2) using Docker for easy deployment and scalability.

Wealth Management System | *Next.js, Express.js, PostgreSQL, Solidity, Python*   May 2025

- Developed a full-stack personal finance management platform with secure JWT authentication, supporting expense tracking, investment portfolio management, and savings goal monitoring across 25+ RESTful API endpoints.
- Integrated AI financial advisor using Google Gemini API and FastAPI to process market data and provide personalized advice through chatbot.
- Implemented blockchain transaction verification system using Solidity smart contracts on Ethereum, ensuring immutable transaction records with cryptographic hashing and automated verification workflows.
- Built responsive dashboard with interactive data visualization using Recharts, featuring financial health scoring, expense analysis, investment performance analytics, and AI-generated insights with advanced filtering capabilities.

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.
- Applied knowledge through practical projects, including creating interactive web applications and analyzing data sets.