

Bijay Adhikari

📍 Bengaluru 📧 Email 📞 +91-7019739574 💬 Leetcode 💬 LinkedIn 💬 GitHub 💬 Portfolio

SUMMARY

Software Engineer with experience in full-stack development and strong problem-solving skills. I enjoy building scalable, secure, and efficient applications with a focus on clean, maintainable code. Comfortable working on real-world projects, collaborating remotely, and continuously learning new tools and technologies to deliver reliable software solutions.

EDUCATION

BMS College of Engineering, Visvesvaraya Technological University (VTU)
Bachelor of Engineering (B.E.) in Computer Science and Engineering (IoT, Cybersecurity Including Blockchain Technology)

Bengaluru, India
2022 – 2026

- **GPA:** 8.62/10
- **Coursework:** Data Structures & Algorithms, Operating Systems, cloud computing, DBMS, Networking, Cybersecurity, Blockchain, Cryptography, Machine Learning, Deep Learning.

SKILLS

Languages: C++, C, JavaScript, Python, SQL

Full-Stack Development: HTML, CSS, React.js, Node.js, Express.js, RESTful APIs

Databases & Tools: MongoDB, MySQL, Git, GitHub, Linux/Unix, Postman

Cloud & AI: Deployment, CI/CD Fundamentals, ChatGPT, GitHub Copilot, Prompt Engineering

EXPERIENCE

Full-Stack Web Developer Intern

Hamro Kosheli

Chitwan, Nepal
Feb 2021 – May 2021

- Built core e-commerce features using the MERN stack, including product management, cart flow and order handling.
- Improved backend API performance and mobile responsiveness by optimizing routes and queries.
- Implemented secure user authentication with JWT and added input validation to prevent common security issues.
- Worked on testing, debugging and deployment in a Linux environment.

CERTIFICATIONS

Programming and Web Development: Python Clean Coding (Infosys Springboard)

Artificial Intelligence: Google AI Essentials (Coursera)

Cybersecurity: Google Cybersecurity Professional Certificate (Coursera)

Google Cloud: Google Cloud Career Launchpad – Cloud Engineer Track (Credential ID - RCUTBk1L)

SELECTED PROJECTS

SecureAid-Bot

[github.com](#) ✒ january 2026

- Developed an AI-based disaster communication and fundraising platform providing real-time, location-based alerts and updates.
- Integrated blockchain smart contracts for secure, transparent donation collection with on-chain transaction tracking.
- Built REST APIs and backend services to manage users, alerts, and fundraising data with real-time monitoring.
- Tech Stack: React.js, Tailwind CSS, Node.js, REST APIs, NLP Chatbot, Solidity, Ethereum, Web3.js, MongoDB.

ScanPOS

[github.com](#) ✒ March 2025

- Developed a mobile-first POS web app enabling shopkeepers to manage inventory and sales directly from smartphones, eliminating upfront setup and hardware costs.
- Built secure REST APIs using Node.js and Express.js, integrated MongoDB Atlas for distributed data management, and implemented JWT-based authentication.
- Automated daily sales and audit reports via email, and added barcode scanning and PDF bill generation for streamlined store operations.
- Tech Stack: React.js, Node.js, Express.js, MongoDB Atlas, JWT

PayChain

[github.com](#) ✒ June 2025

- Built a real-time dApp to automate employee payments every 30 minutes in ETH/USDT via MetaMask.
- Deployed distributed smart contracts on Ethereum, applying concepts like consensus and fault tolerance.
- Improved transaction transparency and reduced manual payroll effort using Web3.js and secure smart contracts.
- Tech Stack: Solidity, React.js, Node.js, Web3.js, Ethereum.

SQL Injection Prevention

[github.com](#) ✒ April 2024

- Created a secure login system using prepared statements, bcrypt, and PHPMailer alerts.
- Eliminated SQL injection vulnerabilities through input validation, account lockout, and manual test cases.
- Tech Stack: PHP, MySQL, HTML, CSS, Bootstrap, Linux.