# Bijay Adhikari

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## SUMMARY

Final-year Computer Science student with hands-on experience in full-stack development (MERN stack) and strong foundation in algorithms and data structures. Solved 400+ LeetCode problems with a 250+ day streak, demonstrating consistent problem-solving skills and commitment. Skilled in building scalable, secure software with clean code practices.

## EDUCATION

**BMS College of Engineering, Visvesvaraya Technological University (VTU)**    *Bengaluru, India*
*Bachelor of Engineering (B.E.) in Computer Science and Engineering (IoT, Cybersecurity*    *2022 – 2026*
*Including Blockchain Technology)*

- GPA: 8.62/10 (Till 6th SEM )
- **Coursework:** Data Structure, Blockchain, Computer Network, DBMS, Unix, Cybersecurity, Ethical Hacking, Object-Oriented Programming, Cryptography, Machine Learning, Deep Learning, Operating System.

## SKILLS

**Languages:** C++, C, Python, JavaScript
**Web Technologies:** HTML, CSS, React.js, Node.js, Express.js, Bootstrap
**Databases:** MySQL, MongoDB
**Tools:** Git, GitHub, Linux, Visual Studio Code (VS Code), PyCharm

## EXPERIENCE

**Full-Stack Web Developer Intern**    *Chitwan, Nepal*
*Hamro Kosheli*    *Feb 2021 – May 2021*

- Contributed to building a responsive e-commerce platform using the MERN stack with features like product listing, cart, and order tracking.
- Enhanced mobile performance by 25% and backend efficiency by 30% through optimized React.js UI, Node.js APIs, and MongoDB queries.
- Implemented JWT authentication and input validation, reducing injection vulnerabilities by 90%.

## 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 )
**Codeathon:** Participated in Phase Shift 24 Hour Codeathon 2023 and 2024, organized by BMSCE

## SELECTED PROJECTS

**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* Dec 2024

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

**V-ICB Dynamic Branch Website**    *github.com* Apr 2024

- Built a dynamic branch website with responsive user interface and engaging visual content to enhance usability.
- Implemented interactive features like file downloads (PPT, PDF) and reactions to boost student engagement.
- Enabled faculty to upload study materials and students to interact with content efficiently.
- Tech Stack: React.js, Node.js, MongoDB, Redux, Firebase