Bijay Adhikari

 Bengaluru   ✉ Email   📞 +91-7019739574   </> Leetcode   in LinkedIn   ⚲ GitHub   ⊕ Portfolio

SUMMARY

Final-year Computer Science student with hands-on experience in full-stack development (MERN stack) and a strong foundation in data structures and algorithms. Skilled in building scalable, secure, and efficient software solutions with clean coding practices. Passionate about problem-solving, continuous learning, and applying technology to real-world challenges.

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 Structures & Algorithms, Operating Systems, DBMS, Networking, Cybersecurity, Blockchain, Cryptography, Machine Learning, Deep Learning.

SKILLS

Languages: C++, C, JavaScript, Python, SQL.
Frameworks & Technologies: Node.js, Express.js, React.js, HTML, CSS, Bootstrap, MongoDB, MySQL.
Tools & Platforms: Git, GitHub, Linux, 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.