

Nawaraj Shrestha (Sudarshan)

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Motivated and detail-oriented aspiring developer with a strong academic foundation and a passion for technology. Possess solid problem-solving and interpersonal skills, with a proactive approach to learning and overcoming challenges. Eager to apply theoretical knowledge, gain hands-on experience, and contribute meaningfully to real-world projects in the tech industry.

EDUCATION

2019 – 2021 | **Nepal Mega College** | High School (Management) | Kathmandu, Nepal

2022 – 2025 | **Softwarica College of IT and E-commerce** | BSc (Hons) Computing | Kathmandu, Nepal

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript, Dart, Flutter
- **Web Development:** HTML, CSS, React, Node.js, Express.js, Bootstrap
- **Database:** MySQL, MongoDB, Firebase
- **Version Control:** Git, GitHub
- **APIs:** Postman
- **Design Tools:** Figma, Canva

SUMMARY OF QUALIFICATIONS

- Skilled in **Full Stack** Web Development using the **MERN stack** (MongoDB, Express.js, React, Node.js), including **RESTful API** development, frontend-backend integration, state management, authentication, and responsive applications.
- Experience with **version control** systems for collaborative coding and project management, and familiar with **Agile methodologies** for effective development cycles.
- Skilled in modern **UI/UX design** principles, with the ability to create user-centric, responsive designs and translate them seamlessly into clean, efficient code, ensuring a consistent and engaging user experience across devices.
- Passionate about learning new technologies and staying updated with industry trends to deliver innovative solutions

ACADEMIC PROJECTS

Cardiovascular Disease Risk Prediction | *October 2024 – February 2024*

- Researched and developed a predictive healthcare system leveraging machine learning models like Logistic Regression, Random Forest to assess individual cardiovascular disease risk using clinical and lifestyle data.
- Addressed core challenges in healthcare analytics, including data imbalance, model interpretability, and ethical concerns such as bias, transparency, and patient data privacy.
- Implemented an interactive web platform using React and FastAPI that provides real-time, personalized CVD risk predictions, along with an AI-powered chatbot to deliver preventive lifestyle guidance and reduce the likelihood of cardiovascular disease. ([GitHub](#))

Luxestay | *December 2024 – January 2025*

- Designed and built a scalable hotel booking platform using the MERN stack with JWT-based authentication, role-based access, and secure RESTful APIs. Implemented room browsing, booking, and payment processing via Esewa.
- Developed an admin dashboard for room, user, and booking management. Leveraged React hooks, React Router, and Axios for efficient state management and API integration. Ensured responsive design and optimized backend performance with Express.js and MongoDB. ([GitHub](#))

Booze.np | *November 2024 – December 2024*

- Built a secure, full-stack e-commerce platform using the MERN stack with HTTPS Multi-Factor Authentication, and CAPTCHA integration. Implemented role-based access control (RBAC), secure session handling, and activity logging for enhanced protection.
- Developed core features including product management, cart/order workflows, user reviews, and a Khalti-integrated secure payment system. Applied rate limiting, bcrypt-based password hashing, and input sanitization to safeguard APIs. ([GitHub](#))

Tipsy | *June 2024 – August 2024*

- Developed a cross-platform mobile e-commerce application using Flutter and Dart, following Clean Architecture principles. Utilized Riverpod for scalable state management and Hive for offline data persistence. Integrated JWT-based authentication with OTP verification and secure session handling.
- Implemented modular features including paginated product listings, cart lifecycle management, and order tracking. Designed and consumed RESTful APIs built with Express.js and MongoDB, ensuring efficient and secure client-server communication. ([GitHub](#))

CERTIFICATIONS

- IoA Student Member – [Institute of Analytics \(2024\)](#)