



Aashista Karki

📍 **Home** : Rupandehi, Butwal, Golpark-3, 32907, Butwal, Nepal
📍 **Work** : Imadol, Lalitpur, Boje Pokhari, 44705, Lalitpur, Nepal
✉ **Email**: aasis.kr1@gmail.com 📞 **Phone**: (+977) 9866622305
🌐 **Website**: aashistakarki.com.np [in](#) **LinkedIn**: [Aashista Karki](#)
Date of birth: 26 Mar 2003 **Nationality**: Nepalese

ABOUT ME

A driven Computer Science student with robust technical skills in web, database and mobile application development. Proven track record of innovative project creation, strong programming expertise across multiple languages, and active involvement. Committed to continuous learning and professional growth.

EDUCATION AND TRAINING

[1 Mar 2022 – 16 Feb 2025]

BSc. Honours degree in Computing

Softwarica College of IT and E-commerce (Coventry University affiliate)

City: Kathmandu | **Country**: Nepal |

[2019 – 2021]

Graduated High school in Science faculty

Tillotama College

City: Butwal | **Country**: Nepal |

WORK EXPERIENCE

[2023]

Volunteering

Softwarica College of IT and E-commerce

City: Kathmandu | **Country**: Nepal

-Worked as a member of media club in college

-Writing blogs and articles about recent activities in college and inform about upcoming programs

-Working with other club members in a team

DIGITAL SKILLS

My Digital Skills

MERN Stack (MongoDB, ExpressJS, ReactJS, NodeJS) | Linux (Terminal Commands, Bash/Shell) | GIT version control, Linux Command | Python | Dart programming language | Intermediate Flutter | R language and R studio | IT Security Risk Management | Microsoft Office | DATA STRUCTURES AND ALGORITHMS WITH JAVA | html + css | Social Media / Social Network | Data Visualization Tableau (Good Standing) | Android app development (Android studio)

PROJECTS

[1 Dec 2024 – 4 Jan 2025]

Restaurant Point of Sale System website

The Restaurant Point of Sale (POS) System Dine Track focuses on key operational challenges in restaurant management by integrating four essential components: cashier interface, server management, kitchen display system, and administrative controls. The system streamlines order processing, table management, and kitchen communication while providing real-time reports and sales analytics. Key features include customizable menu management, order modification capabilities, and comprehensive reporting tools along with receipt printing as well as payment splitting and different payment methods.

This integrated solution aims to solve several critical problems in restaurant operations: order accuracy issues between front-of-house and kitchen staff, delayed communication of menu changes, inefficient table management, and lack of real-time sales tracking. The system reduces order processing time, minimizes communication errors, and provides actionable insights through detailed analytics. Through a user-centered design approach and extensive testing, the system prioritizes ease of use while maintaining robust functionality for all staff roles along with excellent UI.

Dine Track is developed in MERN (MongoDB, Express, React and Node) stack also utilizing Vite bundler on top of it making it faster and feature rich. Write here the description...

Link: <https://github.com/aasiskrk/Restro-pos>

[1 Dec 2024 – 2 Jan 2025] **Furniture E-commerce Website with Focus in Security**

Furnishion is a secure furniture e-commerce platform built using React, Node.js, and MongoDB with vite and javascript, emphasizing compliance with OWASP Top 10 standards. Key security implementations include dual-layer authentication (JWT and session-based), AES-256 encryption for sensitive data, and input sanitization to mitigate XSS and SQL injection risks. The platform enforces a 8-character password policy with bcrypt hashing, role-based access control (RBAC) for admin and user roles, and audit logging via MongoDB. HTTPS encryption, rate limiting (100 requests/15 minutes), and automated dependency checks ensure adherence to GDPR and CCPA regulations. Security audits and penetration testing validate the system's resilience, while a defense-in-depth strategy protects network, application, and data layers.

Link: <https://github.com/aasiskrk/security-furniture-ecom>

Gaming Forum PlayForge Mobile App

Play Forge a hub for gamers to connect, discover, and engage with gaming content. By integrating features such as forum, game discovery, community forums, and interactive discussions, Play Forge will revolutionize the way gamers interact with each other and explore the gaming landscape.

Link: <https://github.com/aasiskrk/Gaming-Forum>

Gaming Forum Playforge Website

Play Forge is a react, tailwind based frontend for a gaming forum. Play forge has UIs for both Admin and users to create and manage posts, comments, games, search posts, view user information, like, dislike and view posts, edit profile , reset password using phone number.

Link: <https://github.com/aasiskrk/React-Gaming-Forum>

Node BackEnd for Gaming Forum

The backend for playforge is built with node.js and provides functionalities for posts, comment, search, reactions operations. It handles data management, authentication, and various API endpoints for post , comments, reactions, games along with external APIs for searching games from google play store and getting otp in phone.

Link: <https://github.com/aasiskrk/Backend-for-Gaming-forum>

Surveillance and security robot

Researched and implemented computer vision, assisted intelligence and transfer learning to design and develop a surveillance and security robot named dark paw.

Medwell

Assisted in crafting a medication and period tracker application for Android, leveraging Dart's framework Flutter. Developed the notification system for medication reminders, developed custom bottom navigation bar for the app, integrating Firestore as the backend for seamless data management and synchronization.

Link: <https://github.com/shiX0/Medwell>

Bugle

Spiderman theme inspired simple blog / article website consisting of login, profile, database and many other features using HTML, css , bootstrap, javascript, java and postgres database.

Link: <https://github.com/aasiskrk/Bugle>

Clothing E-commerce app

Simple clothing e-commerce app with attractive UI made and implemented using Flutter framework.

Link: <https://github.com/aasiskrk/Clothing-ecom>

Asap checkout system

Engineered a comprehensive checkout system customized for businesses, integrating a state-of-the-art QR code product scanner using Python's Tkinter framework.

Apex Productivity system

Crafted an desktop application using java for productivity enhancement and expenditure tracking which contained things like expense tracker, limit expenditure, note taking, and other CRUDs.

Link: <https://github.com/Brinda777/GroupApex>

INVOLVEMENT IN PROGRAMS AND ACTIVITIES

[19 May 2022 – 21 May 2022]

Code mania hackathon

Runner-up

Illustrated and arranged the development of a website designed to facilitate personalized contributions towards combating SDG Life on Land, focusing on planting initiatives.

LANGUAGE SKILLS

Mother tongue(s): Nepali **Other language(s):** English , Hindi

HOBBIES AND INTERESTS

Gaming

Chess