JAMES SHRESTHA

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CAREER OBJECTIVE

Enthusiastic computer science student with a passion for technology and strong programming skills. Equipped with a solid foundation in software development, including experience with various programming languages and frameworks. Thrilled to join the company and contribute to achieving its goals by delivering high-quality solutions and technological progress.

EDUCATION

BSc(Hons)Computing **2022- Present**
Itahari International College
London metropolitan University
Sundarharaicha - 4, Morang

School Leaving Certificate **2021-2022**
Eureka Residential Higher Secondary School
Dharan-4, Sunsari

SKILLS

Technical Skills

- **Languages:**Java, Python
- **Frameworks:** Nuxt.js,laravel
- **Operating Systems:** Windows, Linux
- **Software:** Git, VSCode, Xampp, pandas

Soft Skills

- Effective Communication
- Time Management
- Analytical Thinking
- Team Collaboration

ACADEMIC PROJECT

Jaiswal Pet store(individual Project)

Technologies/framework Used:

- Nuxt.js, Laravel, MySQL

Description: Developed a comprehensive e-commerce platform for an online pet store using Nuxt.js as the frontend, Laravel as the backend, and MySQL as the database. This project involved creating a robust backend system to manage pet inventory, user registrations, and transactions. The platform features a user-friendly interface for browsing and purchasing pets and pet-related products, an admin panel for managing inventory, pricing, and order processing, and secure transaction handling. The store's competitive pricing strategy aims to attract more customers by offering lower prices compared to other market competitors.

Outcome: Successfully deployed a fully functional pet e-commerce platform with a robust backend and an intuitive frontend, facilitating seamless user interactions and efficient inventory management.

Rent System (Individual Project)

Technologies Used: Python

Description: Designed and implemented a rental system using Python. This project involved developing a command-line interface for managing item rentals, tracking rental periods, and generating invoices upon return. Key functionalities include item availability checks, user authentication, and automated bill generation.

Outcome: Developed a functional rental management system that streamlined the rental process, improved operational efficiency, and provided accurate billing.

IoT Project: Water Quality Measurement System (Group Project)

Technologies Used: Arduino, Turbidity Sensor, pH Sensor, Temperature Sensor, Dissolved Oxygen Sensor, Wi-Fi Module

Description: Collaborated with a team to develop an IoT-based water quality measurement system. The system integrates multiple sensors to monitor key water quality parameters such as turbidity, pH, temperature, and dissolved oxygen levels. Data from sensors is collected by an Arduino microcontroller and transmitted to a central server via a Wi-Fi module for real-time analysis and visualization. The system also includes alert mechanisms for detecting water quality issues.

Outcome: Successfully created a prototype that provides real-time water quality monitoring, enhancing environmental monitoring capabilities and ensuring timely detection of potential water contamination.

TRAINING AND CERTIFICATE

- AWS Academy Cloud Foundations 20hour (AWS Academy)
- AWS Academy Machine Learning 20hour(AWS Academy)
- Python Essential Learning Program (LinkedIn)
- Java Learning Program (LinkedIn)
- laravel (codeit.np)

REFERENCES

- **Nisesh Biswas, Personal Academic Tutor, Itahari International College**
- **Email: nisesh.biswas@iic.edu.np**