

Shishir Tamrakar

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Computer Science undergraduate with strong foundations in object-oriented programming, passionate about building scalable solutions, and eager to grow in a collaborative, fast-paced software engineering environment.

EDUCATION

Kathmandu University

Kavre, Nepal

Bachelor of Science in Computer Science, CGPA: 3.65

Dec 2020 - Present

Related Coursework: Object-Oriented Programming, Data Structures and Algorithms, Computer Networks, Database Management Systems, Operating Systems, Algorithm and Complexity

EXPERIENCE

Salesforce Developer Intern

April 2025 - Present

ComplianceQuest, Inc.

- Gained hands-on experience by learning **Salesforce** platform fundamentals, including declarative development and Apex programming
- Designed and developed a Salesforce-native **restaurant management system** using Apex, Flows, and Lightning Web Components

UI/UX Designer

Dec 2024 - Feb 2025

StartIn Lab Ltd.

- Sole designer for a **social media platform** designed to connect entrepreneurs and students, focusing on networking, event participation, and collaboration
- Designed **intuitive UI** for profile creation, matching, event listing, RSVP, and a chat using Figma, optimizing for **user engagement** and **seamless interaction** without overwhelming the user
- Collaborated with **clients in regular stand-ups**, iterating on designs, conducting design reviews and introspection to ensure alignment with their vision

Technical Analyst Intern

Nov 2024 - Jan 2025

SmartChoice Technologies Ltd.

- Bridged the gap between **business and development teams** by translating client needs into clear **technical documentation**, and facilitated the integration of two digital wallet providers with the company's payment system
- Collaborated with engineering teams to validate **API integrations**, troubleshoot transaction issues, and optimize **payment flow logic**
- Assisted in preparing a detailed **WebSocket specification** for **real-time transaction updates**, including architecture, message flows, and API interactions

PROJECTS

Shopping Cart Backend System | [Source](#)

Java, Spring Boot, Spring Data JPA, Hibernate, MySQL, Microservices Architecture, RESTful APIs

- Developed robust microservices architecture for product, payment, and order management services using Spring Boot
- Designed and implemented **RESTful APIs**, leveraging **Spring Data JPA** and **Hibernate ORM** for efficient data persistence and MySQL for relational storage

Unify: Classroom Allocation Management System | [Source](#)

Django, React.js, PostgreSQL, RESTful APIs

- Built RESTful API endpoints with Django for dynamic classroom scheduling and real-time data management, ensuring smooth interaction with the frontend

- Utilized PostgreSQL for robust data storage and Django's ORM for efficient querying and management of classroom, schedule, and resource data

Unilife: E-commerce and Local Discovery Platform | [Source](#)

React.js, Node.js, Express, MongoDB, JWT

- Developed a full-stack platform combining e-commerce and hostel search functionalities, enabling efficient handling of user authentication, product listings, and hostel search queries
- Utilized JWT for secure, stateless authentication, and MongoDB to store and manage product and hostel data, ensuring seamless retrieval and updates

Fordays Japanese Language Classroom Portal | [Live](#)

React.js, Tailwind CSS

- Developed a single-page application to showcase the Fordays Japanese language classroom at Kathmandu University
- Designed and implemented user-friendly interface for sections including About Us, Students & Alumni, and Events, providing a seamless user experience

SKILLS

Languages: Java, Python, C, C++, HTML/CSS, JavaScript, SQL

Frontend Technologies: React.js, Tailwind CSS, Figma (UI/UX Design)

Backend Technologies: Spring Boot, Django, Node.js, Express.js

Databases: MySQL, PostgreSQL, MongoDB, Firebase

Development Tools: IntelliJ IDEA, Eclipse, Maven, Git, Github, Postman, Visual Studio Code, Vim

Practices: Agile Development, Object-Oriented Programming, Microservices Architecture, Version Control

OTHERS

Languages: Native in Nepali, Fluent in English, Intermediate in Japanese (N3)

Certifications: Supervised Machine Learning: Regression and Classification (Coursera)

Scholarships: Technical Fordays Japanese Language Scholarship

Interests: Passionate about music, technology, gadgets, and Pokémon games