

Utsab Wagle

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Skills

Languages: C/C++, Java, Python, HTML, CSS3, JavaScript, SQL, PHP

Technologies & Tools: Git, GitHub, MySQL, Tailwind CSS, React

Currently Learning: Node.js, Express.js, MongoDB, Mongoose

Work Experience

U-TEC Hackathon Beta (β)

Dec 2024

Event Manager

- Led the organizing committee of U-TEC Hackathon Beta 2024, a national-level hackathon that hosted 10 selected teams from various regions of Nepal.
- Managed end-to-end planning, including team registration, scheduling, venue setup, and live event execution.
- Facilitated clear communication among participants, mentors, and organizing team members to ensure a smooth experience.
- Event planning, team management, communication, on-ground execution.

United Tech Fusion 2080

Dec 2023

Technical Manager

- Managed all technical operations for United Tech Fusion 2080, a multi-event festival including Robo War, CTF, and Project Demonstration.
- Oversaw logistics and setup for 10+ teams in Robo War and CTF, and 20+ teams in Project Demonstration from IT, Civil, and Electrical fields.
- Coordinated with organizing committees and volunteers to ensure timely execution of all events.
- Technical leadership, logistics management, team coordination.

U-TEC Hackathon Alpha (α)

Nov 2022

Technical Manager

- Contributed as the Technical Manager for U-TEC Hackathon Alpha, a national-level hackathon organized by United Tech Club.
- Handled infrastructure setup, technical readiness, and real-time issue resolution during the event.
- Supported 10 participating teams from across Nepal, ensuring smooth coordination and a productive hacking environment.

Education

Pokhara University

2021 - 2025

Bachelor in Computer Engineering

Pursued a comprehensive undergraduate program in Computer Engineering, combining strong theoretical foundations with extensive practical, project-based experience. Gained proficiency in programming, software development, and emerging technologies, while engaging in collaborative team projects. Recognized for consistent academic performance and practical problem-solving skills.

+2 NEB, Computer Science – Sun-Rise English School

2018 - 2020

Higher Secondary Education (Computer Science)

Completed Higher Secondary education with focus on Computer Science, Mathematics, and Physics. Developed a strong analytical and problem-solving foundation, preparing for advanced studies in engineering and computing fields.

Sun-Rise English School

Until 2017

School Leaving Certificate (SLC)

Completed foundational schooling with emphasis on Science and Mathematics, establishing the base for higher secondary and undergraduate studies.

Project Work

- **DLOSUB:** Decentralized Land Ownership System using Blockchain, designed to provide a secure, transparent, and tamper-proof land registry. Integrated smart contracts to automate land registration, transfer, and verification processes, ensuring data integrity and reducing dependency on manual record-keeping.
- **FPISUB:** Fake Product Identification System using Blockchain, developed to detect and prevent counterfeit products. Implemented a traceable product lifecycle, allowing users and authorities to verify authenticity and track product movement efficiently.
- **GMS:** Gymnasium Management System, a comprehensive web application designed to streamline gym operations. Features include membership management, equipment tracking, and data visualization of user activity using Chart.js, enabling efficient decision-making for gym administrators.
- **Navikam:** GPS tracking system using LoRa technology (433MHz and 868MHz) for reliable IoT communication. Developed to provide accurate real-time tracking of assets over long distances, suitable for industrial and urban monitoring applications.
- **Sign2Speech:** Sign-language translator that converts sign gestures into text and speech. Contributed to the development of the web dashboard and frontend interface, providing a user-friendly platform for users to interact with the system and visualize translations.
- **LoRaFence:** Geo-fencing solution using LoRa technology to define virtual boundaries and monitor asset movements. Worked on the web dashboard and frontend development, allowing administrators to set geofences, track real-time location data, and receive alerts on boundary violations.

Awards and Certificates

- **BIC Hackathon V3.0 – Runner-up** *Dec 18–20, 2023*
BIC Hackathon, hosted by Boston International College, is a 72-hour event where programmers collaborate intensively on a project. Participants work quickly and often without sleep to accomplish their tasks. During this event, our team successfully developed and presented a project demo.
- **KUSOM IS Hackathon – Winner** *2024*
The KUSOM IS Hackathon, organized by KUSOM, is an intense 72-hour event where developers come together to build innovative solutions under tight deadlines. It is a fast-paced environment that often demands sleepless nights and non-stop collaboration. During this hackathon, our team effectively built and showcased a working demo of our project.
- **BIC Hackathon V4.0 – Winner** *Dec 18–20, 2024*
BIC Hackathon V4.0, organized by Boston International College, was a dynamic 72-hour event that challenged participants to think creatively and work collaboratively under pressure. Throughout the hackathon, our team remained focused and driven, ultimately completing a functional project and presenting a compelling demo to the judges.
- **3rd Place & People's Choice Award – Hack the Future: AI & Open Source Hackathon** *Feb 2, 2025*
An open-source online hackathon where our team achieved 3rd place and also won the People's Choice Award.
- **Git and GitHub Training Session – B.E. Computer Engineering Students** *2024*
Conducted a hands-on Git and GitHub training session for Bachelor of Computer Engineering students, organized by United Tech Club.
- **JavaScript Training Session – B.E. IT Students** *2025*
Delivered a practical JavaScript training session covering core concepts, DOM manipulation, and project-based exercises for Bachelor of IT students.