

SAMPADA TANDAN

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[Portfolio](#) | [GitHub](#)

EDUCATION

HIMALAYA COLLEGE OF ENGINEERING, TRIBHUVAN UNIVERSITY

Chyasal, Lalitpur

Bachelor of Computer Engineering | 2021-2025

Relevant Coursework: Data Structures and Algorithms, Software Engineering, Artificial Intelligence, Machine Learning, Web Development

EXPERIENCE

PROJECT MANAGER

Himalaya Exhibition (HeX) | Jun 2023 – Jul 2023

- Coordinated with cross-functional teams to organize innovation-focused events, including Robo Race and Robo Soccer, improving collaboration and event engagement.
- Implemented Agile methodologies to manage resources effectively, enhancing project execution efficiency.

VICE PRESIDENT

Himalaya Robotics Club | May 2024 – Present

- Led a dynamic team in organizing workshops and events, providing training to over 50 participants in emerging technologies.
- Mentored students in sensor interfacing and Arduino programming, fostering skill-building and technical growth among peers.

CAMPUS REPRESENTATIVE

Hult Prize, IOE | Nov 2023 – Feb 2024

- Organized entrepreneurial events and workshops for 80+ college students, promoting collaboration and creative problem-solving.
- Coordinated with the Hult Prize team to facilitate participation at the campus level.

PROJECTS

FLOOD SENA (FLOOD DETECTION SYSTEM) | 2024

- Designed a web application to identify flood-prone areas using React.js for the frontend and Google Colab for model training.
- Processed rainfall data from the DHM portal for real-time alerts, improving disaster preparedness.

RECOMMENDATION SYSTEM (MINOR PROJECT) | 2024

- Developed a recommendation system using Collaborative Filtering with Next.js and MongoDB for dynamic, user-focused suggestions.
- Designed a clean user interface and intuitive data flow to ensure seamless recommendations.

WEATHER APP | 2024

- Built a responsive weather application using RapidAPI for real-time weather updates and Bootstrap for a sleek user interface.
- Integrated city search functionality to enhance navigation and user satisfaction.

SKILLS

Programming Languages: Python, JavaScript, HTML5, CSS3

Frameworks & Libraries: ReactJS, Bootstrap, Tailwind CSS, Node.js

Tools: Git, GitHub, Google Colab, Visual Studio Code

Databases: MongoDB, MySQL

Methodologies: Agile Development, Design Thinking

ADDITIONAL

Certifications & Training

- Azure Fundamentals – Microsoft Learn
- Data Analysis with Python – Coursera
- JavaScript for Beginners – Simplilearn
- 30 Days of Learning Challenge by Learning Utsav