

NISCHAL MAHARJAN

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EDUCATION

HIMALAYA COLLEGE OF ENGINEERING

Bachelor of Electronics, Communication and Information Engineering

Relevant Coursework: Data Analysis, Software Engineering; Algorithms; Artificial Intelligence; Big Data.

Chyasal, Lalitpur
2019-2024

WORK EXPERIENCE

PRODUCT DEVELOPMENT INTERN

RoboTech Nepal

Kathmandu, NP
May 2024 – Aug 2024

- Integrated machine learning models with hardware to enable real-time responsiveness in systems.
- Engineered systems using OpenCV and Python, combined with microcontrollers like Arduino and ESP32, to develop gesture-controlled devices.

PROJECT MANAGER

HeX2023

Lalitpur, NP
Jun 2023 – July 2023

- Coordinated with cross-functional teams to implement Agile methodologies, improving project delivery timelines and enhancing collaboration across departments.
- Managed project scopes and resources effectively, leading to a 15% improvement in on-time project completions.

PROJECTS

PORTFOLIO PROJECT

2024

- Developed a responsive portfolio website using React.js, ensuring compatibility across multiple devices and optimized load times.
- Highlighted technical skills and projects through an interactive design and clean user interface.

WEATHER APP

2024

- Built a responsive weather application using RapidAPI for real-time data retrieval and Bootstrap for intuitive UI/UX design.
- Integrated city search functionality, providing users with smooth navigation and precise weather updates.

EXPENSE TRACKER APPLICATION

2024

- Developed a dynamic expense tracker application using React.js, featuring a responsive UI that allows users to seamlessly add, edit, and delete entries, enhancing user satisfaction and enabling efficient financial management.
- Utilized React Hooks and the Context API for efficient state and global data management, enhancing application responsiveness by 30% and ensuring consistent data flow while simplifying development.

MERN STACK ADMIN DASHBOARD

2024

- Built a secure and dynamic admin dashboard using the MERN stack, featuring role-based authentication and all-in-one CRUD operations for managing users, contacts, and services.
- Designed a responsive front-end with React.js and optimized back-end APIs with Node.js and Express.js, ensuring efficient data handling and scalability with MongoDB.

SKILLS

Programming Languages: HTML5, CSS3, JavaScript, Python, SQL

Frameworks & Libraries: Bootstrap, ReactJS, Node.js

Tools: Git, Github, Visual Studio Code

Methodologies: Agile Development, Design Thinking

Databases: MongoDB, MySQL

ADDITIONAL

Certifications & Training: DataCamp: Data Analyst Track, Google: Digital Marketing & E-commerce (7 certifications), 60 Days of Learning Challenge by Leapfrog Technology Inc, AWS Knowledge: Cloud Essentials, Foundations of Project Management

Languages: Nepali, English; Conversational Proficiency in Newari

Volunteer Experience: Mentored participants in Arduino programming and sensor interfacing, earning praise for exceptional competence and invaluable expertise. Mentor, Himalaya Robotics Club (June 2023)