

Sandip Budha

CAREER OBJECTIVE

Motivated Computer Science undergraduate with a solid foundation in programming, databases, and IoT systems. I aim to apply my technical and problem-solving skills while gaining practical experience through challenging real-world projects.

PERSONAL DETAILS

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SKILLS

Programming Languages

- Python
- Java

Databases

- MySQL
- MongoDB

Web Technologies

- HTML, CSS
- JavaScript
- PHP (basics)

Operating System

- Windows
- Linux

Tools

- Wireshark
- Burpsuite
- Metasploit

Version Control

- Git

LANGUAGES

- English
- Nepali

HOBBIES

- Coding and development
- Cybersecurity research and learning

EDUCATION

SEE Level

(2018)

Shree Kalika English Boarding School, Tikapur

Studied grades 9 and 10 at SKEBS and passed with a GPA of 3.30 in 2018 AD.

+2 Level

(2019-2020)

Galaxy Higher Secondary School, Dhangadhi

Studied +2 level and passed from GHSS with 3.34 and 3.08 GPAs in 11th and 12th respectively.

Bachelor's Level

(Mar 2022 - 2026)

IIMS College, Kathmandu

Studying BCS (Hons.) with cybersecurity specialization at IIMS College affiliated with Taylors University. This Course will be completed at 2026 AD.

- Gained a comprehensive understanding of Python programming, including data structures, algorithms, and software development principles
- Acquired practical knowledge in cybersecurity fundamentals such as cryptography, ethical hacking, and digital forensics
- Developed skills in database management and SQL

PROJECTS

E-learning Website for Rural Areas

Mar 2023 - Jul 2023

- Designed and developed an interactive elearning website for students from rural areas, where they could access the resources freely online as needed and download the resources for offline study. Used tech was HTML, CSS, and JavaScript mainly.

Quiz APP

Jul 2023 - Dec 2023

- Designed and Created an interactive quiz app using Java programing language in module Advance Programming. Randomization and real-time progress bar was set while answering the

Capstone Project

Apr 2024 - Jul 2024

Mobile App Platform - Farmers & Buyers

- With the idea of connecting the farmers to the buyers directly for buying and selling products, this app platform was designed and developed. For this, technologies used were React Native, Node.js, MongoDB, and Expo for user testing.

Smart IoT-Based Fire Detection and Response System

Aug 2024 - Dec 2024

- Developed a prototype IoT system using Arduino, DHT11, and MQ2 sensors for real-time fire detection with automated alerts, water sprinklers, and exhaust control. Collaborated on system design, testing, and a 5-year enhancement roadmap.

E-Library Web Application

Jan 2025 - Feb 2025

- This web app was designed to allow users to buy and borrow books to the users. For this technologies such as HTML, CSS, JavaScript, SQL, and PHP were used.