

SAILENDRA GHALE

CONTACT

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SKILLS

Programming Languages

- Python
- PHP

Database

- MySQL
- MongoDB

Web Technologies

- HTML, CSS
- JavaScript
- React.js
- Node.js
- PHP (basics)

Operating System

- Windows
- linux

Tools

- Wireshark
- Jupyter Notebook
- Tableau
- VS Code

Version Control & Collaboration

- Git & GitHub

LANGUAGES

- English: Fluent
- Nepali: Fluent

PROFILE SUMMARY

Motivated Computer Science undergraduate with a specialization in Data Science and a strong interest in Web Development. Skilled in Python, JavaScript, React, Node.js, SQL, and data visualization tools. Experienced in developing web platforms and academic projects focused on real-world solutions. Eager to apply technical knowledge in practical settings and contribute to innovative, user-focused technologies.

EDUCATION

THE OLD CAPITAL SECONDARY SCHOOL, GORKHA [2018]

- SEE LEVEL

KATHMANDU MODEL COLLEGE, KATHMANDU [2019-2020]

- Completed my Higher Secondary (+2) at KMC, earning a GPA of 3.21 in Grade 11 and 3.36 in Grade 12.

IIMS COLLEGE, KATHMANDU [Mar 2022 - 2026]

- Bachelor's Level**
 - Enrolled to pursue such a degree as BCS (Hons.) with the specialization in Data Science at IIMS College, affiliated with Taylor University (the date of graduation is 2026).
 - Acquired practical knowledge of Python, data analysis, machine learning, and data visualization with such tools as Pandas and Jupyter Notebook. As well as learning web development using HTML, CSS, JavaScript, React, Node.js and MongoDB with an emphasis on deployment and development of responsive full stack applications.

PROJECTS

E-learning Website for Rural Areas (Group work) Mar 2023 - Jul 2023

- Designed together with others, an interactive e-learning environment that is geared toward student in rural regions. The site gave access to education materials online and offline. Applied HTML, CSS and JavaScript to create an easy to use, friendly and mobile responsive interface.

Capstone Project - Mobile App Platform for Farmers & Buyers Apr 2024 - Jul 2024

- Involved in the building of mobile application aimed at linking farmers with buyers by toting agricultural produce with technology close-up. React Native, Node.js, MongoDB, and Expo technologies were used to achieve the smooth functioning pattern and user experience.

IoT-Based Patient Monitoring System Aug 2024 - Dec 2024

- Conceptualized and created an IoT-based health monitoring system that monitors the temperature of patients and the rate of their hearts in real time. Least used sensors such as DHT11 and pulse sensors with arduino. Concentrated on alarming, resilience of the system, and constant observation to facilitate medical services in rural or other underserved spots.

Data Visualization - Revolutionizing Education in Nepal Apr 2025 - Jun 2025

- Gathered, and cleaned data on regional education to create a visualization of the trends in literacy gains, and dropout rates in the provinces of Nepal. Libraries that are applied in Python such as Pandas to manipulate data and Matplotlib/Seaborn to create graphs. Developed and showed good visualizations using Tableau in order to show trends in the sphere of education and differences between regions.