Sailendra Ghale

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Profile Summary !

Motivated Computer Science undergraduate specializing in Data Science, with a keen interest in Web Development. Proficient in Python, JavaScript, React, Node.js, and data visualization. Experienced in developing real-world projects involving full-stack applications and IoT systems. Passionate about applying practical knowledge to build innovative, user-focused platforms.

Skills

- Programming Languages: Python, JavaScript, PHP (basics)
- Web Technologies: HTML, CSS, React.js, Node.js
- Databases: MongoDB, MySQL
- Tools & Platforms: Git & GitHub, Jupyter Notebook, Tableau, VS Code, Wireshark
- Operating Systems: Windows, Linux

Key Projects

Capstone Project – Mobile App for Farmers & Buyers (Group Project)

- Implemented backend logic using Node.js and MongoDB, including user registration, product listing APIs, and data management.
- Contributed to the React Native UI development, focusing on form validation, navigation, and improving the overall user experience.

Data Visualization – Revolutionizing Education in Nepal

- Collected and cleaned regional education data using Pandas, then visualized literacy trends and dropout rates using Matplotlib and Tableau.
- Focused on designing interactive dashboards to clearly represent regional disparities in education.

ADHD Awareness and Support Website

- Designed and developed a fully responsive informational website using HTML, CSS, and JavaScript, targeting individuals with ADHD.
- Created interactive components including a 5-minute breathing exercise, event signups, podcast links, and a subscription form to improve accessibility and user engagement.

CRUD Operation Web Application

- Built a basic CRUD (Create, Read, Update, Delete) website using PHP and styled with CSS for managing user records.
- Implemented form handling, server-side validation, and dynamic table rendering, gaining hands-on experience with backend logic and database connectivity.

Education

INTERNATIONAL INSTITUTION OF MANAGEMENT AND SCIENCE (IIMS) COLLEGE, KATHMANDU

Bachelor of Computer Science (Hons) – Data Science   Mar 2022 – 2026 (Expected)

KATHMANDU MODEL COLLEGE, KATHMANDU

Higher Secondary (+2)   2019 – 2020

GPA: 3.21 (Grade 11), 3.36 (Grade 12)

Languages

- English: Fluent
- Nepali: Fluent