

Sandesh Subedi

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EDUCATION

B.S. in Computer Science and Mathematics | University of Nebraska-Lincoln Expected Graduation: May 2026

- Relevant coursework:**
Data Structures & Algorithms, Deep Learning, Computer Systems Engineering, Numerical Analysis, Programming Languages Concepts, Data Analysis and Modeling, Testing and Verification.

WORK EXPERIENCE

Software Development Intern | Cattle Kettle Aug 2024 – Present

- Developed and **maintained** web and mobile applications for real-time data **visualization** of cattle water sources which enhanced remote monitoring capabilities for ranchers.
- Integrated new **APIs** to support redesigned hardware, ensuring seamless data collection and improving the overall user experience, resulting in a **30%** increase in data accuracy.

IT Assistant | University of Nebraska Aug 2023 – Present

- Configured and deployed work over 100 computers using JAMF Pro and PXE boot.
- Diagnosed and resolved software, hardware, and network issues, significantly reducing downtime and improving operational efficiency for faculty and staff.
- Managed IT support requests through ticketing systems, ensuring timely responses with a **95%** user satisfaction rate.

Teaching Assistant | University of Nebraska-Lincoln Aug 2023 – Dec 2023

- Conducted engaging discussions and detailed review sessions for over 50 students to significantly enhance their understanding of complex pre-calculus concepts and improve academic performance.

Research Assistant | Nebraska Center Research on Youth, Family, School May 2023 – Aug 2023

- Collaborated** with high school teachers to integrate emerging media art into teaching, reaching over **200** students.
- Assisted art teams with data collection, artifact care and organized storage, while maintaining workshops and classrooms for optimal learning.

RELEVANT PROJECTS

Portfolio-App Sep 2024 – Oct 2024

- Developed a personal portfolio website using React to showcase projects and skills, featuring an **interactive** interface with sections for personal introduction, project highlights, and career progression.
- Optimized** user experience by ensuring **consistent** and responsive content display across all devices.

Farmart Online Grocery Shopping Platform Mar 2024 – May 2024

- Developed Farmart, an MVC ASP.NET application for online grocery shopping, implementing user authentication, product catalog, search, and shopping cart features.
- Utilized Razor Pages for efficient frontend development and implemented SQL Server Management Studio for **backend** database management, ensuring code **reliability** through NUnit testing for maintainability.

FMT Sales Management System Aug 2023 – Dec 2023

- Developed the Farmart Sales Management System using Object-Oriented Programming (OOP) principles, creating specialized classes with effective data handling methods to enhance **maintainability** and functionality.
- Leveraged JDBC API to establish **efficient** connectivity between Java classes and MySQL database, enhancing data integration and retrieval capabilities.

SKILLS

- Development Framework:** Angular, React.js, Next.js, .NET Core, SaaS
- Programming Languages:** C, C#, Java, Python, SQL, HTML, CSS, JavaScript, TypeScript, Unix
- Tools:** Agile, JIRA, GitHub, Zenhub, GitLab, Azure DevOps, Figma, MySQL, Microsoft 365
- Language:** English (fluent), Hindi (fluent), Nepali (fluent)
- Soft Skills:** Adaptability, Attention to Detail, Communication, Critical thinking, Learning Mindset, Teamwork, Organizational skills, Problem-Solving, Time Management