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| via Raikes Design Studio　　　　**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 concepts and improve academic performance.
- **Enhanced** teaching effectiveness for collaborative **pre-calculus** sessions, demonstrating resilience, hard work, and strong abilities to adapt and evolve.

Research Assistant | Nebraska Center Research on Youth, Fam 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, .NET Core, Sass
- **Programming Languages:** C, C#, Java, Python, SQL, HTML, CSS, JavaScript, TypeScript, Unix,
- **Tools:** Agile, GitHub, Zenhub, GitLab, Azure DevOps, Figma, Travis CI, MySQL, Microsoft 365