

Bhumika Basnet

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Education

St. Cloud State University

Bachelor's, Computer Science

St. Cloud, MN

Aug 2021 - May 2025

- Planning Committee, Computer Science Club
- Course Work: Data Structures & Algorithms, Object-Oriented Programming (C++), Database Theory & Design, and Software Engineering

Professional Experience

Xcel Energy

Grad Technical Intern

Sr. Technical Intern

Minneapolis, MN

Jun 2025 - Aug 2025

Jan 2025 - June 2025

- Built modern Power Apps solutions to replace legacy Nintex forms and improving it's integration with Microsoft365 systems
- Improved approval processes by building automated workflows and email alerts using Power Automate integrated with Power Apps
- Designed SharePoint sites, permissions, and training materials for SharePoint & Microsoft 365 features, enabling effective self-service support
- Supported end users with SharePoint and Microsoft 365 tools, including troubleshooting site access, managing permissions, and guiding secure content collaboration

Winnebago Industries

Web Development Intern

Eden Prairie, MN

June 2023 - May 2024

- Developed and maintained web user interfaces in React.js, C#, and .NET with a focus on ADA/WCAG accessibility compliance
- Conducted ADA usability testing with UsableNet AQA to identify accessibility gaps and ensure compliance with WCAG standards
- Created ADA compliance monthly audit reports and visualizations using Power BI to present web accessibility insights and trends to stakeholders
- Collaborated with marketing team to gather and refine requirements, ensuring alignment between technical deliverables and business goals
- Leveraged Git for version control and Azure DevOps for task tracking, Agile collaboration, and CI/CD pipelines, ensuring efficient and timely software delivery

Projects & Outside Experience

Hackathon - Geospatial visualization

Huskies Hack x Immersion Data Solutions (Spring 2025)

Team Lead

- Led development of GeoViz, a web platform for generating detailed 2D and 3D maps, using React and Mapbox to manage complex geospatial data
- Integrated advanced libraries like Deck.gl, react-map.gl, and Three.js to deliver immersive 3D visualizations; proposed enhancements such as secure login and building-level detail for future scalability

Saint Cloud State University

Library Assistant

Previously: Library Aide

St. Cloud, MN

Oct 2021 - May 2024

- Archived and digitized documents using Adobe Photoshop and Acrobat to preserve library records
- Delivered customer service and technical support for library equipment and software, ensuring smooth operations and supporting space booking logistics

Skills

- Languages & Frameworks:** JavaScript, React.js, Next.js, XML, C#, .NET, SQL, Python, R
- Databases:** SQL Server, PostgreSQL, Oracle SQL, SQLite
- Cloud Platforms:** Azure DevOps, AWS (Lambda), Google Cloud Platform
- Tools & Technologies:** REST API, Git, Jira Service Management, SharePoint, Power BI, Power Apps, Power Automate, Agile Methodology