

Siwani Sah

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SUMMARY

Results-driven Software Engineer with industry experience in full-stack software development, architecting web applications and ERP systems to live on production. A rapid, adaptive problem solver, translating business needs into scalable solutions.

EDUCATION

Florida Polytechnic University, Florida, USA

Aug 2025-May 2027

Master's, Computer Science

Relevant Courses: Software Engineering, Machine Learning, Computer Network Programming, Advance Algorithm.

EXPERIENCE

Florida Polytechnic University

Lakeland, Florida

Graduate Assistant

Aug 2025-Current

- Collaborating with professor on research initiatives in AI/ML projects and supporting lab work.
- Teaching Assistant for Machine Learning CAP4612 and C Programming COP2271, grading assignments for 40+ students and providing hands-on coding support to undergraduate students.

Professional Computer System (P) Ltd

Kathmandu, Nepal

Software Engineer

Jul 2022-Jul 2025

- Led full stack development in microservices architecture of ICAN enterprise applications for the Chartered Accountants of Nepal, improving data processing speeds by 25% using **.NET Core, React.js, PostgreSQL**.
- Managed hosting and deployment of client projects on **Windows Server (IIS)**, ensuring 92.9% availability and 20% increase in system performance.
- Collaborated with clients and stakeholders to implement new features that reduced manual data entry by 30% and optimized workflows.
- Performed the development and maintenance of a 15+ module of ERP system to streamline and automate business workflows, resulting in a significant reduction in manual processes and enhanced organizational productivity.
- Built interactive and responsive user interface using React.js components integrated with .NET backend and relational databases, decreasing page load times by 40%.

Professional Computer System (P) Ltd

Kathmandu, Nepal

Software Engineer Trainee / Intern

Dec 2021-Jul 2022

- Contributed to the successful delivery of the **Nepal Election Commission ERP project**, resolving over 30 critical bugs before launch by assisting in design, debugging, and client support using C#, .NET, Knockout.js, and Oracle DB.
- Developed full-stack MVP solution with **C#, .NET, React.js** for an employee management system.
- Enhanced user experience by debugging and improving UI, resulting in a 15% reduction in user-reported issues.

TECHNICAL SKILLS

Programming: C#, .NET (Core, MVC, Web Forms), React.js, NodeJS, Python, HTML, CSS, Knockout.js

Databases: PostgreSQL, MySQL, MSSQL

Tools & Platforms: Git/GitHub, Visual Studio, Eclipse, Microsoft 365, Internet Information Services, Balsamiq, Bootstrap, AWS Cloud.

Methodologies & Concepts: OOP, Microservices, Agile Development, Full Stack Development, REST API, OSI & TCP/IP, HTTP/HTTPS, SSH and Network fundamentals.

Soft Skills: Adaptability, Quick Learner, Problem Solving, Passionate, Enthusiastic, Leadership & Management, Research & Self-Learning.

PROJECTS

Institute of Chartered Accountants of Nepal (ICAN) ERP: Full Stack Developer | .NET Core, React.js, PostgreSQL

- Improved operational efficiency and data accuracy for over 20,000 members by designing, developing, and deploying enterprise modules within a microservices architecture.
- Coordinated directly with clients, translated requirements into scalable solutions and delivered within deadlines.
- Ensured high reliability and performance by deploying and maintaining applications on Windows Server (IIS), overseeing security and updates.

Nepal Tourism Board (NTB) ERP: Full Stack Developer | C#, .NET, Knockout.js, MySQL

- Developed and enhanced tourism-related application modules across frontend and backend layers.
- Improved application stability and user experience by implementing MySQL database optimizations, bug fixes, and new support features.
- Delivered timely updates and new features on schedule by collaborating directly with NTB stakeholders to translate requirements into technical solutions.

Nepal Election Commission ERP: Trainee Developer | C#, .NET, Knockout.js, Oracle

- Supported high-volume election operations by immediate Code Release and bug fix, ensured system stability by building and maintaining secure application modules.
- Maintained data integrity and application reliability during critical election periods by contributing to .NET backend enhancements.