musicstyle1232@gmail.com | 515-450-4699| [LinkedIn: prakarsha-poudel](https://www.linkedin.com/in/prakarsha-poudel-65224026b/) | Home: Ames, IA| [GitHub](https://github.com/Mad1232?tab=repositories)

**EDUCATION**

**Iowa State University** Anticipated: May 2026

*Bachelor of Software Engineering, Senior (GPA: 3.65)* Ames, IA

**EXPERIENCE**

**365 Retail Markets: Software Development Summer Intern (May 2025)** Ankeny, Iowa

* **Engineered UI tests** using **Selenium (Java)** for customer portal web applications, directly **enhancing software quality** by **modifying existing** **frontend ReactJS code** and **debugging errors using the browser console** to support testing.
* Managed version control with **Git and TortoiseSVN** and actively contributed to code reviews.
* Collaborated within an **Agile (SCRUM) development environment**, engaging in **pair programming** for code development, utilizing **Redmine** for task tracking, and consistently participating in SCRUM meetings to support iterative project delivery.

**CityTech – Fintech Solutions & QA Intern (December 2023)**Kathmandu, Nepal

* Collaborated with the team to perform software testing, documenting bugs and reporting issues with detailed reproduction steps to developers.
* Assisted in deploying tablet-based banking technology to remote villages, enabling secure financial services using biometric authentication.

**PROJECTS**

**Pet Reminder App** December 2024

* Created a medication-tracking app for pet owners and developed backend **RESTful APIs** along with **WebSocket** for real-time communication using **Spring Boot**, enabling secure messaging and medication tracking for users.
* Led the project lifecycle, from ideation to delivery, collaborating with team members to meet client specifications and implementing **CI/CD pipelines** and achieved **70% test coverage** to ensure reliable deployment.

**LiveShareHub – Collaborative Code & File Sharing Web App** June 2025

* Developed backend services in **.NET (C#)** to support file sharing and collaborative editing features, integrated with **OracleDB** and **Jenkins** using **Docker** containers on macOS for local development and testing. Wrote and optimized **SQL queries** using SQL Developer for efficient data retrieval and storage.
* Built a user-friendly **frontend with Angular**, enabling users to upload, view, and download files via a shared session. Automated CI/CD deployment using **Jenkins** and hosted the application on **AWS** for public access.

**Online Merchandise Web Application** July 2024

* Built an e-commerce platform using **React** and **MongoDB** for frontend and engineered backend logic and database integration using **Node.js** and **MongoDB** to support product listings, secure transactions, and order processing
* Oversaw end-to-end project execution, ensuring alignment with user experience goals.

**Expense Analysis Dashboard** December 2024

* Designed and deployed a data analysis dashboard using **Python**, **Pandas**, **NumPy**, and **Matplotlib**.
* Trained and deployed a machine learning model using **Scikit-learn** and **Microsoft Azure**, including **linear regression** and **time series forecasting**, to predict spending trends.
* **Created and optimized** an end-to-end pipeline in **Azure Machine Learning Studio**, incorporating data splitting, model training, evaluation, and scoring modules.

**(Software/IT) SKILLS**

* **Programming Languages:** Java, Python, JavaScript, C, C#, TypeScript, HTML/CSS
* T**echnologies/Frameworks:** React, Node.js, Spring Boot, .NET, MongoDB, MySQL, Neo4j, Android Studio, Postman
* **Tools & Platforms:** Git, TortoiseSVN, Microsoft Azure, AWS, TeamCity, Jenkins, Docker
* **Data & Analytics:** Pandas, NumPy, Matplotlib, Scikit-learn, Streamlit, Excel (Pivot Tables), SQL Developer
* **Soft Skills:** Leadership, critical thinking, time management, teamwork, creativity, communication.
* **Relevant Coursework:** Data Structures & Algorithms, Data Architecture, Software Development & Life Cycles.
* **Portfolio**: [[Github](https://github.com/Mad1232?tab=repositories)] (<https://github.com/Mad1232?tab=repositories>)