Rahul Bikram Shah

shahrb@beloit.edu | **LinkedIn** | **My Website** | +1-608-207-4780

Education:

Bachelor of Science Major in Computer Science and Minor in Mathematics; Beloit College' 2026

Relevant Coursework:

Object Oriented Programming, Data Structures & Algorithms, Database Capstone, Software Engineering Capstone, Calculus II, Discrete Structures, Threads & Operating System

Experience:

Software Engineering Fellow| HeadstarterAI | New York, NY   07/2024 – 08/2024
- Built 5+ AI apps and APIs using NextJs, OpenAI, Pinecone, and StripeAPI with 98% accuracy as seen by 1000 users
- Developed projects from design to deployment leading 4+ engineering fellows using MVC design patterns
- Coached by Amazon, Bloomberg, and Capital One engineers on Agile, CI/CD, Git, and microservice patterns

Computer Science Lab Assistant | ACME Engineering College | Kathmandu, Nepal   05/2023 – 07/2023
- Assisted students in the computer lab with coding.
- Helped the professor for managing the lab.
- Presented the basics of C programming in the lab

Technical Service Assistant | Beloit College | Beloit, WI   01/2023 – 04/2023
- Managed library's database to assure proper classification of materials.
- Conceptualized strategy to boost loading time of application.
- Implemented relevant python and java libraries to revamp functionality and user experience of application

Projects:

Pantry Tracker Dashboard with Database
- Set up a Next.js project with Material UI components
- Implemented a Firebase backend for data storage
- Created a form to add, delete, and update pantry items

AI Customer Support
- Created a basic chatbot with hard coded responses
- Responded to the user intelligently using any Gen-AI model
- Deployed your web-app to AWS EC2 Servers

Personal Website
- Built a personal website using HTML, CSS and JavaScript to showcase that showcases my skills and experiences
- Configured a custom domain for my personal website, demonstrating proficiency in domain management
- Leveraged Google Analytics to monitor and analyze website traffic, gaining insights into user behavior and engagement to inform data-driven decisions and optimize site performance.

Certifications:

Crash Course on Python (Google), Google AI Essential, Overview of Data Visualization

Skills:

Python, C, Java, SQL, TDL, HTML, CSS, Firebase, Tailwind, DNS, NextJs, ReactJs, OpenAI, AWS, StripeAI, RAG, Vectors, Cloud Computing, Microsoft Azure, AWS