

**Rahul Bikram Shah**  
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**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 Fellowship Program | HeadstarterAI | New York, NY**

- Built 5+ AI apps and APIs using Nexts, 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**

- 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**

- 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

**Certifications:** Google Project Management, Crash Course on Python (Google), Google AI Essential

**Skills:**

**Programming Languages:** Python, C, Java, SQL, TDL, HTML, CSS, Firebase, Tailwind, DNS, NextJs, ReactJs, OpenAI, AWS, StripeAI, RAG, Vectors

**Computer Software:** Microsoft Office, Google Workspace & Education, Adobe Photoshop, Microsoft Azure, AWS