

Rahul Bikram Shah

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EDUCATION

Beloit College

Bachelor of Science in Computer Science

August 2022 - May 2026

Beloit, USA

Related Coursework: Object-Oriented Programming, Data Structures and Algorithms, Software Engineering Capstone, Machine Learning Capstone, Data Science

EXPERIENCE

Headstarter AI

Software Engineering Fellow

July 2024 - August 2024

Remote

- Built 5+ Artificial intelligence (AI) apps and APIs using Next.js, OpenAI, Pinecone, and StripeAPI with 98% accurate statistics as seen by 1000+ users.
- Developed innovative projects from design to deployment leading 4+ engineering fellows using MVC design patterns.
- Coached by engineers from Amazon, Bloomberg, and Capital One on Agile, CI/CD, Git, and micro service patterns.
- Presented about Headstarter Fellowship experience & projects on the Beloit & Beyond Conference.

ACME Engineering College

Software Engineering Assistant

May 2023 - July 2023

Kathmandu, Nepal

- Designed a student learning program by providing hands-on assistance in coding projects.
- Collaborated with researchers to manage the program, ensuring a productive learning environment.
- Delivered engaging presentations on the fundamentals of Machine learning (ML) and C/C++ programming, enhancing students understanding and practical skills.

PROJECTS

AI Flashcard Generator

August 2024

Tools: Next.js, OpenAI, and Firebase, MUI, CSS, Clerk, Stripe

- Collaborated with a team to develop a flashcard application using Next.js, Clerk, Firebase, OpenAI, and Stripe, allowing users to generate customizable flashcards on various topics.
- Implemented analytics features to track user engagement, resulting in 100+ successful sign-ups during the initial launch.
- Developed an essential feature enabling users to save the required flashcards, enhancing the overall user experience.

AI Customer Support Chatbot

August 2024 - September 2024

Tools: Next.js, OpenAI, and Firebase, Material UI, CSS, Clerk, Stripe

- Developed a customized chatbot for Headstarter users using Next.js and OpenAI API with hard-coded responses.
- Enabled intelligent user interactions by integrating Gen-AI models.
- Deployed the web application on AWS EC2 Servers for scalable access.

SKILLS & CERTIFICATIONS

- **Programming Languages:** Python, C, Java, SQL, HTML, CSS, JavaScript, Swift, Objective C
- **Frameworks and Libraries:** TensorFlow, PyTorch, Tailwind, Next, React, Pandas, MUI
- **Cloud Technologies:** Firebase, AWS, Azure
- **API:** OpenAI, Stripe, Clerk
- **Certifications:** Crash Course on Python (Google), Google AI Essential, Overview of Data Visualization and algorithms, Azure 900 Fundamentals