

Rahul Bikram Shah

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EDUCATION

- **Beloit College** August 2022 - May 2026
Bachelor of Science, Computer Science and Mathematics Beloit, USA

EXPERIENCE

- **Headstarter AI** July 2024 - August 2024
Software Engineering Fellow Remote
 - Built 5+ Artificial intelligence (AI) apps and APIs using NextJs, 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.
- **ACME Engineering College** May 2023 - July 2023
Software Engineering Assistant Kathmandu, Nepal
 - Designed a student learning program by providing hands-on assistance in coding projects and experiments.
 - Collaborated with researchers to manage the program, ensuring a productive learning environment for students.
 - Delivered engaging presentations on the fundamentals of Machine learning (ML) and C/C++ programming, enhancing students understanding and practical skills.

PROJECTS

- **AI Flashcard Generator: A web app that generates flashcards.** 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: [A customized chatbot for Headstarter users]** Aug 2024 - Sep 2024
Tools: Next.js, OpenAI, and Firebase, Material UI, CSS, Clerk, Stripe 
 - Developed a chatbot 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 & RELEVANT COURSEWORK

- **Programming Languages:** Python, C, Java, SQL, HTML, CSS, JavaScript, Swift, Objective C
- **Frameworks and Libraries** TensorFlow, PyTorch, Tailwind, NextJs, ReactJs, Pandas, MUI
- **Cloud Technologies:** Firebase, AWS, Azure
- **API:** OpenAI, Stripe, Clerk
- **Soft Skills:** Leadership, Mentorship, Problem solving Skills, Collaboration Skills
- **Certifications:** Crash Course on Python (Google), Google AI Essential, Overview of Data Visualization and algorithms, Azure 900 Fundamentals
- **Coursework:** Object-Oriented Programming, Data structures and Algorithms, Linear algebra, Econometrics, Applied mathematics, Data Science