Rohan Sah

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EDUCATION

Iowa State University — Ames, IA

Bachelor of Science in Computer Science, Minor in Math | **2nd Year-Classified Junior** | *GPA 3.8/4.0 Expected May 2026*

Key Coursework - *Python, Java, Data Structures, Algorithms, Computer Architecture*

Awards & **Involvement** - *Dean's List, LAS Excellence Scholar, Forever Scholar, Computer Software Engineering Club, Nepalese Student Association, 200+ volunteering hours*

EXPERIENCE

Indu Sah Foundation — July – September 2024

Founding Software Engineer — *Waukee, IA*

- Developed the entire official Indu Sah Foundation website leveraging **Spring**, **MongoDB**, **React.js**, **Tailwind CSS**, **Postman** and **Docker**:
- As a leading humanitarian organization in Nepal, our website hosts **60,000+** total views to date and averages **2,000+** monthly views.

Headstarter A.I. — July – September 2024

Software Engineering Fellow — *Remote*

- Build 5+ A.I. apps and APIs using **React.js**, **Next.js**, **OpenAI**, **Pinecone**, **StripeAPI**, **Firebase**, and **AWS** with at least **98**% accuracy to be seen by **1000 users**.
- Developed full-stack A.I. projects from design to deployment, leading **4+** engineering fellows using MVC patterns.
- Mentored by **Amazon**, **Bloomberg**, and **Capital One** engineers on Agile, CI/CD, Git, and microservices.

Iowa Legislature — July – August 2024

Data Science Intern — *Des Moines, IA*

- Enhanced historical voting data retrieval time efficiency by **90**% by developing a PDF data mining software with **100**% accuracy utilizing Google App Script & **JavaScript**.
- Lead the development of an Iowa historic voter geospatial information visualization software detailing **146k+** votes utilizing **QGIS** and **Python**.

Gladiators NYC — May – August 2024

Technology Intern — *Remote/Manhattan, NY*

- Utilized **JavaScript** and **Excel** to automate seamless data communication, notifying product availability and price and name differences impacting efficient transactions for **25k+** customers; received **100**% executive approval rate.

PROJECTS & EXTRACURRICULARS

SmartPantry | *Next.js, React.js, Firebase, Google Gemini Vision API, Vercel, CI/CD, MaterialUI*

- Developed a Next.js **full-stack** application providing an item inventory with an **image classification** feature through **Google Gemini Vision API** and **Firebase storage**.
- Utilized Firebase to authenticate the website and provide user security.

AI Asteroid Detection | *Next.js, React.js, NASA API, Llama 3.1, AWS EC2, RAG, Pinecone*

- Developed and deployed a **full-stack** web app to provide **NASA-backed data** on real-time asteroids that threaten Earth equipped with a personal **A.I. chatbot** to enhance user experience.

Software Engineer @ ISU Formula SAE | *Java, OpenGL*

- Transformed software to utilize layered components, enhancing time efficiency by **40**%
- Assist ISU SAE International Formula Team team's performance optimization, car maintenance, and driver safety while competing against **450 worldwide teams.**

Certification | *Machine Learning, Full-stack web-development* — August 2024

- *freeCodeCamp*, 4-course project-based specialization with **1000 hours of Full Stack Web Development**
- *Stanford University*, **3-course Machine Learning Specialization** taught by ML pioneer Andrew Ng
- *Pluralsight*, **Spring Framework 6** Fundamentals & Spring Framework: The Big Picture

TECHNICAL SKILLS

Languages: Java, Python, Swift, JavaScript, HTML/CSS, C++, SQL

Frameworks/Libraries: Spring, Spring Boot, React.js, Node.js, Next.js, Sass, Bootstrap, Redux, Django

Developer Tools: Git, GitHub, MongoDB Compass, Docker, Visual Studio Code, PyCharm, IntelliJ IDEA, Eclipse, XCode, Microsoft Office, Postman, Vercel, AWS, Agile Methodologies