

Rohan Sah

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Energetic, self-starter, proactively involved in a **plethora of extracurricular enrichment activities** with **1000+** certified hours of full-stack software development coursework and a proven track record for **delivering results** with **1** year of **3+** fast-paced, change-driven, and dynamic software engineering experiences, learning from and collaborating with diverse teams **designing, developing, testing & integrating** applications and services using **Java, AWS Cloud, Python & SQL** technologies. Eager to pursue an impactful summer 2025 software engineering internship.

TECHNICAL SKILLS

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

Frameworks/Libraries: Spring, Spring Boot, Django, ReactJS, NodeJS, Sass, BootStrap, Redux

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

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 | **Wells Fargo Employees'***

***Dependent Children Scholar**, Dean's List, LAS Excellence Scholar, Forever Scholar, Formula SAE, Cardinal Space Mining, Nepalese Student Association, Computer Software Engineering Club, **200+** volunteering hours*

EXPERIENCE

Software Engineering Fellow

July – September 2024

Headstarter AI

Remote

- Building 5+ AI apps and APIs using **ReactJS, NextJS, OpenAI, Pinecone, StripeAPI, Firebase**, and **AWS** with at least **98%** accuracy to be seen by **1000 users**.
- Developing projects from design to deployment, leading **4+** engineering fellows using MVC patterns.
- Being coached by **Google, Amazon, Bloomberg**, and **Capital One** engineers on Agile, CI/CD, Git, and microservice patterns.

Data Science Intern

July – August 2024

Iowa Legislature

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**.
- Leading the development of an Iowa historic voter geospatial information visualization software detailing **146k+** votes utilizing **QGIS** and **Python**.

Software Engineering Internship

May – August 2024

Gladiators NYC

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

Goal! | *Spring Boot, Spring, MongoDB, React, Redux, Sass, Node, API-Football*

- Developed an app to facilitate cumulative points-based sports tournament betting.
- Utilized **React, Redux**, and **Sass** for a dynamic, responsive, and modern user interface.
- Utilized API-football.com to retrieve in-depth JSON sports data
- Developed robust **Spring RESTful APIs** to manage users and points leveraging **Spring Data JPA & MongoDB** principle for database operations.

Movie Recommendation App on iOS | *Xcode, Swift, APIs, GIT*

- Developed an iPhone app through **Xcode** and **SwiftUI** to recommend popular movies to users.
- Utilized **Swift, MVC** pattern, and The Movie Database and YouTube **APIs** to extract and display movie images and trailer data.

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, Algorithms & Data Structures, Advanced 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