

# Sahil Sah

US Citizen | Boston, MA | (573) 230 – 4024 | Email: [sahsahil1997@gmail.com](mailto:sahsahil1997@gmail.com)

Portfolio: [sahilsah.com](https://sahilsah.com) | GitHub: [github.com/sahsahil1998](https://github.com/sahsahil1998) | LinkedIn: [linkedin.com/in/sahil-sah](https://linkedin.com/in/sahil-sah)

## EDUCATION

**Northeastern University**, Boston, MA

Expected May 2024

*Master of Science in Computer Science*

GPA: 3.8 / 4.0

**Relevant Coursework:** Object-Oriented Design, Data Structures and Algorithms in C, Foundations of Information Assurance, Database Management Systems, Fundamentals of Computer Networking, Mobile Application Development, Foundations of Software Engineering, Fundamentals of Cloud Computing.

**University of Missouri – Columbia**, Columbia, MO

December 2020

*Bachelor of Science in Biology*

GPA: 3.5 / 4.0

## WORK EXPERIENCE

**DomumGym**, Boston, MA

February 2024 - Present

Full Stack Software Engineer

- Led the development of key platform features, including user profile customization, advanced scheduling, and video uploading, enhancing user interaction and platform versatility.
- Engineered scalable AWS-backed solutions for robust feature performance and reliability.
- Collaborated with cross-functional teams to design, test, and deploy feature enhancements, adhering to agile methodologies for timely delivery.

**Bayer**, St. Louis, MO

July 2021 - December 2021

Genetic Quality Analyst

- Conducted genetic quality assessments for over 500 genetically modified crop samples using PCR and gel electrophoresis, ensuring accuracy of genetic information for clients in over 20 countries worldwide.
- Streamlined quality control procedures by collaborating with cross-functional teams to develop and implement process improvements, enhancing efficiency and effectiveness of genetic testing.
- Enhanced testing throughput by 15% through identifying and resolving process bottlenecks.

## PROJECTS

**Booking System for Healthcare Facilities** (React.js, Firebase, Firestore)

February 2024 - Present

- Actively co-developing a high-availability vacation booking system designed for a major public health institution, serving over 500,000 patients/year, to streamline the scheduling and management of healthcare staff.
- Implemented advanced React.js patterns, including custom hooks and context providers, to efficiently manage global state and authentication, significantly enhancing the application's scalability and maintainability.
- Engaged in direct collaboration with healthcare professionals to customize the system according to the unique operational needs of clinics, ensuring a versatile solution poised for broader adoption across various healthcare settings.

**Stack Overflow Imitation Web App** (React.js, Express, MongoDB)

October 2023 - December 2023

- Led the development of a full-stack version of Stack Overflow, integrating React.js for the front-end and Node.js/Express with MongoDB for the back end.
- Coordinated a team using Git workflow, overseeing branch management, pull requests, and conflict resolution, enhancing team efficiency and collaboration.
- Directed the integration of client and server-side JavaScript, focusing on responsive design and real-time data interactions to improve UI/UX.
- Enforced RESTful principles for backend API development, ensuring efficient and seamless integration between front-end and back-end components.

**Out and About App** (Java, Android SDK)

November 2023 - December 2023

- Co-developed an Android application for outdoor activity planning, integrating Google Maps API for real-time location tracking and route planning.
- Designed user-friendly interfaces and facilitated data interactions using Android SDK, focusing on seamless user experience and efficient navigation.
- Implemented dynamic event management, user authentication, and Firebase-based real-time database handling.

**Web Crawler Project** (Python, HTTP Protocol)

January 2023 - February 2023

- Developed a Python-based web crawler for web scraping and automation on social networking sites.
- Identified 5 secret flags on Fakebook via automated web traversal and HTML analysis.
- Managed cookies and sessions for 1000+ web pages by parsing Set-Cookie headers and submitting session cookies.

## TECHNICAL SKILLS

Programming languages: Python, Java, C, R, HTML, CSS, JavaScript, TypeScript, SQL.

Frameworks: Agile, GitHub, React.js, Node.js, MySQL, MongoDB, AWS.

Development tools: Linux, Visual Studio, PyUnit, JUnit, Android Studio, Windows, Git, PyCharm, IntelliJ.