

Sahil Sah

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EDUCATION

Northeastern University , Boston, MA	Expected May 2024
<i>Master of Science in Computer Science</i>	GPA: 3.8 / 4.0
Relevant Coursework: Object-Oriented Design, Data Structures, Algorithms, 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
<i>Bachelor of Science in Biology</i>	GPA: 3.5 / 4.0

WORK EXPERIENCE

DomumGym , Boston, MA	February 2024 - Present
Full Stack Software Engineer	
<ul style="list-style-type: none">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	
<ul style="list-style-type: none">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

Stack Overflow Imitation Web App (React.js, Express, MongoDB)	October 2023 - December 2023
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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.	
PubMed Article Database and Data Mining (R, MySQL, SQLite)	April 2023 - May 2023
<ul style="list-style-type: none">Orchestrated data extraction and normalization using XML, DTD, SQLite, and MySQL, forming a robust relational database schema.Optimized R scripts for data loading and transformation, enhancing processing speed by 50%.Implemented a MySQL star schema for enhanced data mining and analytical querying, coupled with advanced data analysis and reporting using RStudio and R Notebook.	
Web Crawler Project (Python, HTTP Protocol)	January 2023 - February 2023
<ul style="list-style-type: none">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, SQL.

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

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