Shivali Singh

 (312)-723-1111   ✉ ssingh53@u.rochester.edu   in linkedin.com/in/shivalisingh17/

EDUCATION

University of Rochester,   Aug 2018 – May 2022 │ Rochester, NY
B.S. in Computer Science and B.A. in Mathematics │ GPA 3.94 / 4.0
- Dean's List (3/3 Eligible Semesters) and Dean's Merit Tuition Scholarship awarded annually

SKILLS

Java *(Proficient)* │ **Python** *(Proficient)* │ **Linux** *(Intermediate)*

R *(Proficient: Ggplot,Dplyr)* │ **SQL** *(Intermediate)* │ **Swift** *(Intermediate)*

Microsoft Excel *(Proficient)* │ **Power BI** *(Intermediate)*

Git *(Intermediate)* │ **Information Security** *(CyberArk Certified)*

CERTIFICATIONS

AWS Machine Learning- Speciality

AWS Solutions Architect Associate

Microsoft Azure Fundamentals

Microsoft Artificial Intelligence Engineer

Oracle Cloud Architect Associate

EXPERIENCE

Tripods NSF REU at Cornell University   Aug 2020 – Oct 2020
Incoming REU participant focused on Data Science and Computational Mathematics held at Cornell University/remote.

OpptIn BlockChain Tech Startup, *Software Engineering Intern*   May 2020 – Jul 2020 │ Philadelphia, PA
- Perform Geo-location testing, manage remediation of identified vulnerabilities, and implement Geo-filters on iOS
- Lead agile development of a new app feature through staging environments, create a blockchain library in Python, and utilize existing Java code to facilitate integration using Git branching.
- Define Blockchain Development Structure for product teams, and successfully navigate the project to Phase 2

Bluebonnet Data, *Data Analyst Fellow*   May 2020 – present │ Remote
- Performed sentiment analysis on social media data (tweets) for Fridays for Future International (Climate Change Organization) to accelerate user growth by 40% and created dashboards and reports using AWS QuickSight.
- Visualize census data using Python scripts and SQL queries to inform key strategies for Democrat campaigns across New York.

Teaching Assistant, *Data Structures and Algorithms and Calculus II*   Aug 2019 – present │ Rochester, NY
- Lead weekly study sessions for 50+ students and grade Java and Python programming assignments and exams
- Mentor students through one-on-one tutoring sessions and helped them with college course work

University of Rochester School of Medicine, *Data Science Intern*   May 2019 – Dec 2019 │ Rochester, NY
- Increased efficiency of model by 40% using Python and Linux to automate observations on protein transformations
- Identified usable experiment data from 1000+ images using Python libraries, Machine Learning models, and narrowed down the target protein data by 25%

PROJECTS

Quarantine Buddy   Apr 2020 – Jul 2020
Developed serverless backend and implemented user signups using AWS Lambda, Cognito, and DynamoDB for Quarantine Buddy, a web application student startup connecting 1000+ users in 132 countries.

UniShadow   Feb 2020 – May 2020
Created a web-chat bot to interact with 100+ website users with QnA features using Azure, Node.js, AI models for a student-tech start up aiming to provide job shadow opportunities, accounting for 20% of leads

LEADERSHIP AND ORGANIZATIONS

Tour Guide Society, *Campus Engineering Tour Guide*   May 2019 – present
Lead 100+ 1-hour campus tours to prospective students and families to highlight personal experience at the university

Resident Advisor, *Mentor and advisor for 40 first year students*   Jan 2019 – present
Utilized organizational and public speaking skills to create and present hall programs to educate residents about critical issues and develop a positive living environment for all

Society of Women Engineering, *Programming Chair*   Jan 2019 – present
Organized coding events/ social gatherings for 100+ students and successfully launched monthly mentorship program by connecting 25 alumnae to mentees