

Aman Shrestha

+15853900410 — aman.shrestha@rochester.edu

linkedin.com/in/aman-shrestha — github.com/amnshrestha — amanshrestha.com

Education

- **University of Rochester** **Rochester, NY**
BS in Computer Science, Cumulative GPA: 3.84/4.00
Class of 2021
 - Relevant Coursework: Data Structures and Algorithms, Computer Networks, Computer Organization, Design of Efficient Algorithms, Mobile App Development, Artificial Intelligence, Data Mining, Databases

Work Experience

- **FactSquared** **Washington, DC**
Software Engineering Intern
July 2020 - Present
 - Built multiple features on the Frontend for customer facing products using HTML, CSS, PHP and JavaScript
 - Integrated a paywall system using stripe for the products created by the company
 - Designed and built a website that displays the videos compiled by the company and allows search and filter operations
- **University of Rochester** **Rochester, NY**
Computer Science Teaching Assistant
August 2018 - Present
 - Led study sessions, workshops and graded quizzes, projects and exams
 - CSC 171: Object Oriented Programming with Professor Pawlicki (Fall 2018)
 - CSC 172: Data Structure and Algorithm with Professor Zhupa (Spring 2019)
 - CSC 173: Computation and Formal System with Professor Ferguson (Fall 2019)
 - CSC 242: Artificial Intelligence with Professor Ferguson (Spring 2020)
 - CSC 261: Intro to Databases with Professor Zhupa (Fall 2020)
- **Saarland University** **Saarbrücken, Germany**
DAAD RISE Machine Learning Intern
May 2019 - August 2019
 - Researched how data collected from wearable devices could potentially impact privacy of an individual
 - Trained machine models using ECG and EDA data to predict what movie a person was watching from a given set

Projects

- **Centralized Research Database**
 - Built a website that displays centralized information about research being done in different departments
 - Used MySQL for the database and PHP, HTML and CSS for website development
- **Job Clustering for Efficient Search**
 - In a team of two, used different clustering algorithms on job postings dataset from kaggle
 - Applied K-Means, Mini Batch KMeans, Birch, Agglomerative and Affinity Propagation Clustering algorithms
- **Task Sahayak**
 - Created an Android app that lets user set tasks based on priority and set reminders and notifications
 - Used JAVA, XML and Android studio to build this app

Leadership Experience

- **President, Computer Science Undergraduate Council** *May 2020 - Present*
 - Led CSUG in its various efforts to promote collaboration among Computer Science students
 - Managed events and services like hackathon, tutoring services, info sessions and workshops
 - Initiated a challenge series focusing on different technologies for students in quarantine to learn and remain productive
- **Director, DandyHacks (Hackathon)** *March 2018 - October 2019*
 - Organized two of the biggest hackathons at the University of Rochester with around 250 participants each
 - Formed and led the hackathon organizing committee which included finance, communication, marketing and logistics team

Skills

- Most Experience: Java, Python, C, MySQL, HTML/CSS, JavaScript, PHP
- Some Experience: Swift, XML, Visual Basic, React
- Tools/Libs: JQuery, Bootstrap, Android Studio, Visual Basic, Linux, Git/Github