

Aman Shrestha

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Education

University of Rochester

Rochester, NY

Bachelor of Science in Computer Science

Class of 2021

- GPA: 3.84/4.0
- Dean's List, 5 of 5 eligible semesters

Projects

- **Centralized Research Database** In a team of two, worked on a project that compiles research being done in different departments and displays it in one website with simple UI. Used MySQL to work with database and PHP, HTML and CSS to set up the website.
- **Job Clustering for Efficient Search** Collaborated on a team of two and worked on a job clustering project. Used dataset from kaggle and applied K-Means, Mini Batch KMeans, Birch, Agglomerative and Affinity Propagation Clustering algorithms. Returned the intersection of results from the clustering algorithm as recommendations while searching for jobs.
- **Enigma Machine** An app that simulates the encryption machine used during World War II. This app was created using JAVA, XML and Android Studio.
- **Task Sahayak** An app that lets user set tasks based on priority. The users can set reminders and notifications so that they can finish their work efficiently. This app was created using JAVA, XML and Android Studio.

Work Experience

FactSquared

Washington, DC

- **Front-End Engineer Intern**

July 2020 - Present

Work on Front-End development for customer facing products from FactSquared. Set up a paywall system using stripe for the products created by the company. Set up a website that displays all the videos compiled by the company in a user friendly way and allows search and filter operations for the videos.

University of Rochester

Rochester, NY

- **Teaching Assistant in the Department of Computer Science**

August 2018 - Present

Work as a teaching assistant for Intro to Computer Science, Data Structure and Algorithm, Computation and Formal System, Intro to Artificial intelligence and Intro to Database courses at the University of Rochester Computer Science Department. Lead study sessions and workshops and help with grading quizzes, projects and exams.

Saarland University

Saarbrücken, Germany

- **DAAD RISE Research Intern**

May 2019 - August 2019

Data Science research intern for the project "Privacy impact of wearable devices". Worked on machine models that would use ECG and EDA time-series data to predict what movie a person was watching from among a given set of movies.

Leadership Experience

- **President, Computer Science Undergraduate Council**

May 2020 - Present

Lead CSUG in its various efforts to promote collaboration among Computer Science students, connect the department and the student body and manage events and services like hackathon, tutoring services, info sessions and so on. Initiated a challenge series focusing on different technologies for students in quarantine to remain productive by learning and applying new skills.

- **Director of DandyHacks (Hackathon)**

March 2018 - October 2019

Organized two of the biggest hackathons at the University of Rochester. Formed and led the hackathon organizing committee which included finance, communication, marketing and logistics team. Each hackathon was 36 hours long and had a budget of over \$12000 each.

- **Event Planning chair, Google Developer Student Club at UoR**

December 2019 - May 2020

Organized and led study jams and workshop sessions on Google technology such as Google Cloud Platform, Flutter, etc. at the University of Rochester. Worked on solution challenge which solves a local problem with the use of technology.

Skills

- Java, Python, C, MySQL, HTML, CSS, JavaScript, PHP, JQuery, Android Studio, Swift, Photoshop, LINUX, Latex