Rachit Agarwal

(415) 980-9637 | *rachit.agarwal@mavs.uta.edu* | *www.linkedin.com/in/rachit8484*
github.com/rachit8484 | *therachitagarwal.com*

EDUCATION

The University of Texas at Arlington *Expected Graduation: May 2022*
B.S. in Computer Science

Coursework: Object-Oriented Programming, Algorithms and Data Structures, Operating Systems, Software Engineering, Computer Organization, Discrete Structures, Linear Algebra, Programming Languages

Skills: Python, C/C++, JavaScript, Java, PHP, HTML/CSS, MongoDB, MySQL, Postgres, Content management system, Flask, Pandas, Praw, React, Django, Socket.io, Git, AWS(Lambda, EC2, S3), MATLAB, Adobe Suite

WORK EXPERIENCE

Innovative Data Intelligence Research Laboratory Arlington, TX
Undergraduate Research Assistant, funded by National Science Foundation *July 2020 – Present*
- Created a python script that constantly probes **reddit's API** to fetch political posts and comments, and updates their response in json file. Worked as an Undergraduate Research Assistant in **IDIR Lab** under Dr. Chengkai Li.

UT Arlington Arlington, TX
IT Analyst Assistant *January 2020 – Present*
- Managing UTA's website using **HTML5, CSS, Bootstrap, JavaScript** on the **Sitecore CMS**.
- Managing the system encryption process using SecureDoc(AES 256-bit encryption) and images of Windows and macOS.

Success Marketing Kota, India
Product Manager intern - Web Developer *Summer 2019*
- Worked as a web developer to build a website to facilitate and increase the sales by adding information and images of inventory and improve their market reach by 35%.
- Increased the company's visibility globally by creating a web application using **React, CSS,** and **Google APIs**.

SELECTED PROJECTS

Finviser - HackTX 2019 UT Austin, TX *Fall 2019*
A fully functional Web App for students to manage their personal finances
- Built using **MongoDB, React, Python**, and **Flask** and deployed to **Heroku**.
- Created a finance advisor chatbot with **IBM Watson AI on Bluemix, IBM's cloud service** with **Slack's API**.

My Blood - HackUTA 2019 UT Arlington, TX *Fall 2019*
Web Application for hospitals to find blood donors on demand or in case of emergency by sending alerts.
- Developed an application using **Python, Flask, Socket.io, CSS, and HTML**

Fotention - TamuHack 2019 Texas A&M College Station, TX *Spring 2019*
Android/iOS App for people to get off phone, and focus on what they can do without phone.
- Developed an application using **React.js, HTML, CSS, and Firebase**

Find my Laptop - Personal Project *Fall 2018*
Application which helps students to find the best laptops for their needs
- Built a Web App using the **WAMP(Windows, Apache, MySQL, PHP) stack** with extensive use of **Javascript** on the frontend and deployed using **GitHub pages**.

LEADERSHIP EXPERIENCES AND ACTIVITIES

Co-Founder, Cyclotrots *May 2013 - Fall 2018*
- Started and managed a cycling community in the city of Kota, Rajasthan. 1000+ active members as of April, 2020.
- Led 2 month-long city sanitation campaign spanning 5 km^2.

Excel Campus Activities *Spring 2019 - Present*
- Programmed EXCEL's participation in New Maverick Orientation, University Preview Days, and Activity Fairs. Worked to develop and maintain organization's excellence throughout the year by planning social and activities.

AWARDS

Maverick Scholarship recipient - (Covering 90% of the tuition for 4 years) *Fall 2018 - Present*
Academic Excellence Award by Times of India *Fall 2016*