

# RACHIT AGARWAL

(415) 980-9637 | [rachit.agarwal@mavs.uta.edu](mailto:rachit.agarwal@mavs.uta.edu) | [www.linkedin.com/in/rachit8484](http://www.linkedin.com/in/rachit8484)

[github.com/rachit8484](https://github.com/rachit8484) | [therachitagarwal.com](http://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, Prawn, React, Django, Socket.io, Git, AWS(Lambda, EC2, S3), MATLAB

## 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**

### Fotion - 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*