

RACHIT AGARWAL

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EDUCATION

University of Texas at Arlington

Expected Graduation: May 2022

B.S. in Computer Science

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

Skills: Python, C/C++, JavaScript, Java, HTML/CSS, CMS, Flask, Pandas, Prawn, React, Django, Socket.io, Git, 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 km².

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