

RACHIT AGARWAL

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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, Splunk, AWS(Lambda, EC2, S3), MATLAB, Adobe Suite

WORK EXPERIENCE

Innovative Data Intelligence Research Laboratory

Arlington, TX

Undergraduate Research Assistant - Funded by HP, Google, and 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.
- Developed a data scrapper for **Claimbuster** using **BeautifulSoup** which improved the scrapping efficiency by 27%.

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 this using **Python, Flask, Socket.io, CSS, and HTML** for synchronized communication.

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 this application using **React.js, HTML, CSS, and Firebase** to be fast and scalable.

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, ACTIVITIES, AND AWARDS

Co-Founder, Cyclotrots

May 2013 - Fall 2018

- Started and managed a cycling community in the city of Kota, Rajasthan. 1200+ active members as of August, 2020.
- Led 2 month-long city sanitation campaign spanning 5 km^2 which cleaned 45% roads of that suburb of Kota.

Excel Campus Activities

Spring 2019 - Present

- Programmed EXCEL's participation in New Maverick Orientation, University Preview Days, and Activity Fairs.
- Co-Managed the annual budget of ~\$200,000 to develop and organize events like Halloween casino night, Homecoming street festival, Bed Races, Welcome Bash, and MavsMeet across the campus as part of programming committee.

Maverick Scholarship recipient - (Covering 90% of the tuition for 4 years)

Fall 2018 - Present

Academic Excellence Award by the Times of India - (Rewarded to the top 2% students of the country) *Fall 2016*