

# VISHESH GUPTA

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## EDUCATION

University of Texas at  
Arlington

**B.S. in Computer Science**

Arlington, TX | Expected Aug 2020

## SKILLS

- Java
- Flutter
- Python
- C++
- JQuery
- CSS3
- HTML5
- MongoDB
- NoSQL
- SQL
- AWS
- Azure
- Google Cloud
- Docker
- Object Oriented Programming
- Linux
- MacOS

## COURSEWORK

- Human Computer Interaction
- Software Testing
- Computer Networks
- Graphics
- Compilers
- Business Writing
- Data Structures and Algorithms
- Object Oriented Programming
- Operating Systems
- Theoretical CS
- Databases
- Linear Algebra
- Assembly
- Practical Computer Systems
- Discrete Structures
- Engineering Probability
- Artificial Intelligence (Udemy)
- Web Dev Bootcamp (Udemy)

## LINKS

- Portfolio: vishesh7797.github.io

## PROJECTS

**YelpCamp** | Built a Campground rating web app, using Node.js, Express.js, Passport.js, JQuery, and MongoDB

**helpDFW(Covid-19)** | Created a website to support local businesses and rout donations directly to their Venmo

**App Development** | Designed UI Clones of Whatsapp and Instagram with Flutter

**Dropbox File System** | Implemented a user space portable file system using C

**Mav Shell** | Developed a shell similar to bash and csh using C, the shell can accept, process, and execute commands and fork children.

**Concurrency** | Generated Mandelbrot fractal structures using multiple processes and threads

**Crowd counting model** | Used CUDA and Pytorch to generate density maps and count number of people in an image with ~97% accuracy

**HackDFW** | Designed a financial literacy web app using REST API with JavaScript and SpringBoot

**Todo List** | Built a responsive and visually appealing todo list using JavaScript, jQuery, and CSS

**Human Computer Interaction** | Prepared mock designs and flows using Figma

## EXPERIENCE

**Fixefood (Start-up)** | SWE Intern May-September 2018

- Maintained key components of website using jQuery and React
- Implemented and managed the CRM platform increasing customer acquisition by 200%
- Automated keyword research tools to track progress and performance reducing workload by 20 hours

**UTA Athletics** | Logistics Intern August 2018 - May 2019

- Planned and coordinated promotional events with 1000+ students
- Formulated and delivered sales pitches to alumni, donors, and sponsors increasing sales by 80%

## ACTIVITIES

**Association of Computer Machinery (ACM)**

- Represented UTA at ICPC regionals | 2019-2020

**HackUTA**

- Organising team lead | 2019
- Increased attendance by 100%

**Pi Kappa Alpha Fraternity**

- Director of Fundraising | 2018
- Vice President of Inter-Fraternity Council | 2018

**Mavs 1000 - Student Instructor**

- Developed and facilitated student sessions
- Led a class of ~25 incoming freshman