

# Kushal Pachchigar

Austin, TX 78705 | 512-806-9375 | kushalpachchigar@utexas.edu | kushalsp.github.io

## EDUCATION

### The University of Texas at Austin

May 2021 (expected)

BS in Computer Science, Applied Statistical Modeling Certificate, Business Foundations Certification.

GPA: 3.78/4.0

Relevant Coursework: Data Structures, Computer Architecture, Competitive programming, Statistical Learning/Interference, Data Analysis for Health Science, Operating Systems (OS – fall2019), Data Management (fall2019).

## PROJECTS

- **Huffman Coding:** focus on encoding/decoding files with any extension using multiple Huffman coding techniques in java. Encode/Decode on binary level using data structures including trees, maps, lists, and techniques including recursion, binary input/output. (Team effort)
- **Evil Hangman Game:** build a biased version of hangman game where the pre-defined word was chosen based upon each guess that user made, making it next to impossible to win the game and hence the name, Evil Hangman.

## SKILLS

**Technical Skills:** Proficiency in Java, C, JavaScript, CSS, HTML, x-86.

Exposure to working with APIs and Python, R

**Oral languages:** Fluent in English, Hindi, Gujarati.

## EXPERIENCE

### Website

June 2019 - Present

Created a personal website showcasing the above listed projects, social media links and about myself. Did so using HTML, CSS for frontend and JavaScript for backend - for implementing the projects.

### DataHack2019

March 2019

Placed second for interpreting useful information upon given a large dataset, using the knowledge from statistical learning/interference class. Worked in group of 4, using python to create visualization of data.

### TamuHack 2019

January 2019

**SmartCar:** Worked in a team to develop a react based app that controls the features of the car like locking and unlocking the car, track the location of the car and read the odometer readings. All done through working with an API from the company named SmartCar. Helped design the app and worked frontend.

### Learning Assistant for Calculus

August 2017 - Present

Department of Mathematics, UT Austin

Facilitated students' understanding of mathematical concepts of calculus. Volunteered time to tutor students on one-to-one basis.

## ACTIVITIES & LEADERSHIP

Association for Computing Machinery, UT Austin – participation in programming contests

2018 – Present

Volunteer for BAPS Hindu temple, Austin, TX

2018