

# Shreshth Kaushik

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## EDUCATION

### Georgia State University, Atlanta, GA

Expected Graduation: May 2022

- Bachelor of Science in Computer Science, *President's List*
- GPA: **4.0**

Relevant Coursework – CS1301: Principles of CS-1, CS1302: Principles of CS-2, CS2510: Theoretical foundations of CS, MATH 2211: Calculus 1

## SKILLS

### Programming Languages

- Python (Proficient), Java (Proficient), HTML, CSS, Bootstrap, JavaScript, SQL

### Frameworks and libraries

- Flask, Bootstrap, Pillow, NgInX, Gunicorn, Tkinter, SQLAlchemy

### Software

- Linux, Git, AWS, Google firebase

## EXPERIENCE

### Freelancer: Computer Science Tutor – New Delhi, India

January 2017- January 2018

- Educated students about efficient algorithms to reduce time and space complexity
- Assisted students in projects and homework related to OOP in java and python
- Taught students about different kinds of data structures and where to use them
- Helped students raise their class grade from 70% to 95%

## PROJECTS

### Hermes: Android Application

October 2019

- Worked on an app in android which scans gas station prices using Google Vision API in real time
- Created a java mechanism which tracks gas and diesel prices for scanned gas stations
- Devised an algorithm to efficiently sort the lowest prices of a gas station

### Blog Web Application in Python

June 2019

- Developed a blog website using Flask framework in Python in 1 month
- Implemented full C.R.U.D functionality to the app using SQLAlchemy
- Added a login and register page which stores information in database using SQLAlchemy and SQLite
- Created a password reset link for users using flask-password-reset form
- Organized code into easy-to-read form using flask-blueprint

### GUI Rock, Paper, Scissors Game in Python

August 2018

- Engineered a fully clickable GUI game using the Tkinter library
- Created a computer bot to play against players by taking into consideration prior probabilities of outcomes
- Used custom functions for each update and score calculation to increase code readability and reduce chances of error
- Used global variables to link the updated scores with the custom created functions

## EXTRACURRICULAR AND AWARDS

- **HACKGT FALL: 2019:** Best overall concept mention (PDI Challenge)
- **HACKGSU Spring: 2019:** 1<sup>st</sup> place Crypto Challenge
- **Honorable Mention: 2018:** Outstanding Computer Science Tutoring mention by the CEO of Clever Programmer
- **Volunteer: 2018:** Donated and taught blind Students elementary algebra at School of Blind Students in New Delhi, India
- **Soccer Tournament Winner: 2016:** Delhi FC KARWA-SAIL Tournament (25 Teams)
- **Midfielder:2015:** Delhi Football Club