

Ribhav Kapur

Computer Science Specialist
from University of Toronto
GPA: 3.83

Personal Info

Phone
6477408459

E-mail
ribhav.kapur@mail.utoronto.ca

WWW
<http://www.ribhavkapur.com>

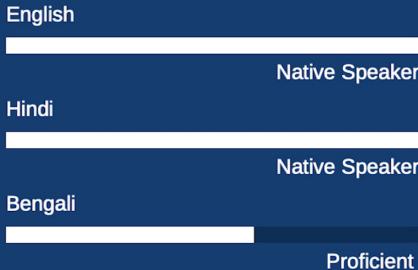
Relevant Coursework

Multi-Variable Calculus
Software Design
Theory of Computation
Computer Organisation
Probability with Computer Applications
Software Tools and Systems Programming
Data Structures and Analysis
Statistics for Computer Scientists
3D Visualisation and Holography

Skills



Languages



Experience

| | |
|----------|---|
| present | Co-Founder <i>Connect</i> <ul style="list-style-type: none">A social media app which seamlessly integrates all your social media platforms.Easy add feature to add friends on all selected social media with one tap.Integrated news feed from your favourite social platforms. |
| present | Software Engineer <i>Robotics for Space Exploration (RSX)</i> <ul style="list-style-type: none">Currently working on GPS integration for the Mars rover we are developing using ROS Kinetic.Working with rtab map to map the surroundings of the rover as it traverses through terrain |
| present | Computer Science Learning Community <i>Faculty of Computer Science - University of Toronto</i> <ul style="list-style-type: none">1 of 38 to be admitted into the community from the entire faculty.Working on various projects and internships throughout the year. |
| present | Peer Mentor <i>University of Toronto</i> <ul style="list-style-type: none">One of the few selected students to mentor other students in my Theory of Computation class. |
| Apr 2016 | Head of Entertainment <i>Krayons for Kargil</i> <ul style="list-style-type: none">Organisation held an event to raise funds for the underprivileged in Kargil (India).Raised rupees 16 lakh (nearly \$30,000). |
| present | Professional Fitness Trainer <i>EFulcrum</i> <p>I am a personal trainer and nutritionist working with a startup from India.</p> |

Education

University of Toronto - Bachelor of Science

Current CGPA: 3.83

- Computer Science specialist with a focus in:
 - Artificial Intelligence
 - Web and Internet Technologies
 - Game Design
- Minor in Mathematics

The Shri Ram School Aravali, India

- Indian School Certificate
- Graduated with a 92%.

Duke TIP

Was one of the 100 students from India to be selected for the Duke TIP program. I studied mechanical engineering the first time in India, and went to Georgia tech to do a short course on spacecraft design.

Projects

| | |
|----------|---|
| Feb 2019 | Security Drone <ul style="list-style-type: none">Autonomous GPS enabled drone.Security drone to replace students who escort people on campus at night.Image processing on server to recognise and follow user.Aggression detection algorithm to sense danger and alert authorities. |
| Jun 2018 | Virtual Trainer <ul style="list-style-type: none">Generates a workout for you.Designed using a smart algorithm to hit every area and function of the muscle(s).Working on 3d models to show exercise form in VR. |
| Jul 2018 | Retro Fighter <ul style="list-style-type: none">Simplistic fighting game between 2 players.Implementation of a smart AI player using graph theory that is unbeatable. |
| Aug 2018 | My Website http://www.ribhavkapur.com <p>This is my website where I showcase all my projects, display my transcript and other test scores and have links to all my social media accounts including LinkedIn.</p> |
| Sep 2018 | Sound Sensitive LED Light Strip <ul style="list-style-type: none">Detects sound frequency.Propagates a specific light colour based on the frequency in a wave form through a strip of LED lights.Detects volume to adjust brightness. |
| | In Progress <ul style="list-style-type: none">Working on a machine learning algorithm that takes different brain waves as inputs and detects emotion. (future plans to extend the project).Working on a machine learning algorithm to detect handwriting to help with assignments as opposed to using latex or microsoft word, etc.Intermittently making my own version of linux from source code. |

Hackathons

| | |
|----------|---|
| Feb 2019 | MakeHarvard Top 5 for making the security drone mentioned above |
| Sep 2018 | OrbisChallenge Hackathon Top 5 for writing AI that plays splix.io |