Ribhav Kapur

Computer Science Specialist from University of Toronto | GPA: 3.83

Personal Info

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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

Holography and 3D Visualisation

Skills

Python
Experienced

Java
Experienced

C
Experienced

HTML/CSS
Expert

Swift
Comfortable

Languages

English
Native Speaker

Hindi
Native Speaker

Bengali
Proficient

Experience

present	**Computer Science Learning Community** *Faculty of Computer Science - University of Toronto* • 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** *University of Toronto* • One of the few selected students to mentor other students in my Theory of Computation class.
Sep 2018	**Hackathons** *Orbis* **Orbis Challenge (Sept 2018)** • Implemented AI to play a game similar to splix.io • First ever hackathon and placed in the top 5 (Only second years to place) **Genesys (Oct 2018)** • Only 25 teams were selected to participate • Only second year team to participate against industry professionals and placed top 15
Apr 2016	**Head of Entertainment** *Krayons for Kargil* • Organisation held an event to raise funds for the underprivileged in Kargil (India). • Raised rupees 16 lakh (nearly $30,000).
present	**Professional Fitness Trainer** *EFulcrum* I am a personal trainer and nutritionist working with a startup from India.

Education

University of Toronto - Bachelor of Science
Current CGPA: 3.83
1. Computer Science specialist with a focus in:
• Artificial Intelligence
• Web and Internet Technologies
• Game Design
2. Minor in Mathematics

The Shri Ram School Aravali, India
• Indian School Certificate
• I had an aggregate of 93.2% in 10th grade and a 91% 12th

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

Jun 2018	**Virtual Trainer** • Generates a workout for you. • Designed using a smart algorithm to hit every area and function of the muscle(s). • Uses ML to determine your body type from a picture to further personalise workouts
Jul 2018	**Retro Fighter** • 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 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.
Sep 2018	**Sound Sensitive LED Light Strip** • 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 • 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.

Extra-Curriculars

Student Council: • Vice-Captain of my house during my junior year • Captain of my house during senior year

Athletics: • Golf (International): Won various national level tournaments and represented India in the Junior Asian Masters in Thailand. • Basketball (National): Captain of high school team and placed third in nationals. • Swimming (State): Won 2 medals at an inter-state swim meet. • High Jump (State): Set the (and still hold) the high jump record for my high school, silver medal at a regional meet, represented my school in nationals.