AnshayGhosh

anshay.ghosh@mail.utoronto.ca | https://anshayghosh.github.io/

about

+1-416-837-0477
107 Huron Street,
Toronto, ON

languages

bilingual english/hindi

programming

Java, Python, C, Assembly Language, Kernel, XML, HTML, CSS, JavaScript, SQL, Oracle DB & Racket
Well versed with UNIX systems.
Subversion and GitHub for version control in projects.

education

since 2014 **B.Sc.** University of Toronto — CGPA: 3.23
Specialist in *Computer Science* with focus on *Artificial Intelligence*
Minors in Mathematics & Statistics
Relevant Courses: Intro to AI, Software Engineering,
Data Structures and analysis, Databases, Systems Programming

2012–2014 **IB Diploma Program** — 36/45 IB points
Dhirubhai Ambani International School, Mumbai, India

experience

07–08 2016 **Oracle Financial Services Intern** — Software Developer
Cloud integration of GTAP software for State Street Investment bank
Used Oracle DB, HTML, CSS, Java and JavaScript to work on an MVC framework with struts 2.0 and MyBatis libraries

06–07 2013 **AllCargo Logistics Intern** — Software Developer
Alongside a Price Waterhouse Cooper team of 6 using Microsoft Dynamics
Created of a Customer Relationship Management system that is currently being implemented by 4000 employees over 89 countries.

projects

01-2016 **MoodReel Android Application** — Hackthe6ix Hackathon
Android Studio which implemented Java and XML programs
Used facial recognition to calculate the current mood of the user and cross reference that with movie genres and music playlists that suited the mood calculated. It then displayed the most suitable movies (currently in theatres) using a web crawler and scrapping information from the IMDB website using Jsoup.

12-2015 **E-Krishi Python Desktop App: Placed 3rd** — Hack4India Hackathon
For Microsoft's countrywide Hack4India with python geo-analytical API's, used an agricultural simulation with dynamic values of humidity, altitude, temperatures based on the current latitude and longitude to teach logical reasoning in CS.
used realtime prices with the help of a web crawler that grabbed information from government websites. Available on my GitHub linked below

10-2016 **Sokoban Solver** — Intelligence Project
Python implementation of the Sokoban puzzle in text based form
Created a variety of heuristic functions to efficiently parse through the states and solve puzzles with increasing complexities with an 8 second timebound

02-2016 **System Call Interceptor** — Kernel Project
Kernel Module that intercepts any selected System Call from the kernel's sys call table
replaces sys call in the table with an interceptor function for user selected PID's. Synchronization with locks also implemented.