

Nikhil Sreekumar

OBJECTIVE

Seek to gain experience working with a large codebase. Primarily interested in Systems Development and seek to find experience in the field.



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SKILLS

Java, Python, C, Bash, Linux, Git, Data Structures and Algorithms

PERSONAL PROJECTS

MATRIX INVERSE: *Android Application that enables students to quickly verify the inversion of matrices of any dimensions (2x2 -> 5x5 can be displayed on standard device).*

POKER PROBABILITY GENERATOR: *Android Application that calculates the probability of the user having each possible hand by the end of each round. Thus, it informs a user on the most suitable next move in a game of Texas Hold 'em Poker.*

CROSS TIME ZONE TIMETABLE: *A Time-table cross platform Desktop Application that allows user to convert timetable from any time zone to another with ease.*

SPOTIFY-AD-MUTER: *A set of scripts aiming to mute Spotify whenever an advertisement plays and unmute it when the advertisement is over automatically.*

K&R SOL (Ongoing): *Command line navigator of source code of exercises in 'The C Programming Language Second Edition' (K&R)*

ALGORITHMS (Ongoing): *Collection of programs that refine understanding of Data Structures and Algorithms.*

TEAM PROJECTS

SOLVADOKU: *Android application that solves and provides steps on how a Sudoku puzzle was solved. Rather than a brute-force approach, the application uses several algorithms and techniques as required depending on the puzzle provided. The application provides a step-by-step solving guide on any input puzzle. Backtracking only if no solution obtained. 2-members.*

CLIMATE CHANGE LIABILITY METRIC: *University project that proposes a means to distribute the budget allotted to combating climate change among nations of the world in a fair manner. Calculations presented in a choropleth map. 3 members.*

EDUCATION

High School (2017-2020): **GEMS MODERN ACADEMY**, Dubai, U.A.E

University (2020-Present): **UNIVERSITY OF TORONTO St. George Campus**, Toronto, Canada.

Current GPA Average (Fall term): 3.85