



# K. D. SUNERA AVINASH CHANDRASIRI

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<https://kdsuneraavinash.github.io/portfolio>



## PROFILE

A third-year computer science undergraduate who has a passion for algorithms and problem-solving. Also interested in web technologies and mobile app development. A GNU/Linux Enthusiast.

<https://kdsuneraavinash.github.io/portfolio>

<https://github.com/kdsuneraavinash>

<https://www.linkedin.com/in/kdsuneraavinash>

<https://www.hackerrank.com/kdsuneraavinash>



## EDUCATION

### University of Moratuwa

Undergraduate, Bsc (Computer Science and Engineering)

Dean's List - Semester 1, 2, 3

*September 2017 - Present*

Current SGPA: 4.08/4.2

### Kalutara Vidyalaya – National School

GCE Advanced Level Examination

All A Passes in Physical Sciences stream (Island rank 76<sup>th</sup>, District Rank 2<sup>nd</sup>)

*July 2013 - June 2017*

Z-Score: 2.680



## ACHIEVEMENTS

IEEEExtreme 12.0 & 13.0 (IEEE)

Top 100 (global) 2018 & 2019

ACES Coders v8.0 (University of Peradeniya)

Winners 2020

UOJ Coders v1.0 (University of Jaffna)

Winners 2019

HackX 2019 (University of Kelaniya)

Winners 2019

IESL RoboGames '18 (IESL & University of Moratuwa)

Winners 2018

14th YCS Competition (Ministry of Education & FITIS)

Winner 2015

XOBot '19 (IESL & University of Jaffna)

Runners Up 2019

Realhack 2.0 (University of Kelaniya)

Runners Up 2019

IDEA Challenge (University of Moratuwa & IESL)

Runners Up 2018



## TECHNICAL STRENGTHS

**Programming Languages**

Python, Dart, Java, JavaScript, Golang, C++, PHP

**Frameworks & Technologies**

Flutter, React, Express, Arduino, OpenCV

**Web Development**

HTML5, CSS, Bootstrap, WordPress

**Databases**

MySQL, PostgreSQL, Firebase Firestore



## PROJECTS

### Theme Provider — Open source plugin

*June 2019*

An easy to use theme controlling plugin for Flutter which automatically rebuilds UI on theme changes.

<https://pub.dev/packages/theme-provider>

### Rise of the Pharaohs Scavenger hunt app

*October 2019 - February 2020*

Scavenger-hunt mobile app created as the invitation for the CSE event – Rise of the Pharaohs.

<https://github.com/kdsuneraavinash/cse-night-app>

### Tic-Tac-Toe Playing Robot Arm — Mobile app integrated robot

*October 2019*

This was a vision-based approach to developing a tic-tac-toe playing robot using Arduino, Android and OpenCV.

<https://www.youtube.com/watch?v=oHg5SJYRHA0>

### Open Inventory System — Inventory Management System

*February 2020 - June 2020*

Automated inventory management system for computer labs with RBAC. The system consisted of a mobile application and a web application.

<https://github.com/openinventoryorg>

### Teleport Mobile App(Android/iOS)

*August 2019 - September 2019*

App developed for HackX competition in order to use sharing economy in transferring goods.