

KESIHAIN SELVARAJOO

FULL STACK DEVELOPER & MECHANICAL ENGINEER



SKILLS

HTML/CSS
Javascript
React
React-Native
Python
SQL
PostgreSQL
Python
Flask
Git
Design tools
Solid Works (CSWA Certified)
Ansys (FEA & CFD)
Mathematica
Matlab

REFEREES

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CONTACT

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PROFILE

A driven, versatile and highly motivated individual seeking to combine academic achievements and work experiences in a challenging role within an organisation that offers a genuine opportunity for progression. Possess the ability to work efficiently under pressure, dealing confidently with changing and conflicting priorities.

WORK EXPERIENCE

ENGINEERING INTERN

HSS Engineers Bhd. | Nov 2017-Feb 2018

- Simulated water supply system for several projects
- Wrote documentation for HVAC systems based on standard guidelines
- Reviewed documentation and drawings for several Railway projects

ENGINEERING TECHNICIAN

Industrial Machine Cutters | Feb 2019 - Jun 2019

- Acted as primary technician and handled production of industrial knives
- Modified production rig to suit production of specific knives
- Designed and built coolant system as well as waste management system

QUALIFICATIONS

FULL STACK SOFTWARE DEVELOPER

Next Academy | Jun 2020-Sep 2020

- Developed 4 major projects including a mobile application developed with react as portfolio project

BACHELOR OF MECHANICAL ENGINEERING (HONOURS)

Monash University | Jul 2014-Nov 2019

- Completed 192 credit hours inclusive of several engineering projects and 1 final year project

MATRIKULASI

Kolej Matrikulasi Perak | Jun 2012-Apr 2013

- Achieved an average CGPA of 4.0

SIJIL PELAJARAN MALAYSIA

Sekolah Menengah Kebangsaan Ibrahim | Jan 2007-Dec 2011

- Achieved 7A+

EVENTS ORGANIZED

Monash Grand Prix 2017
Monash Open Futsal
Tournament 2017
Monash Womens Futsal
Tournament 2017
Ansys FEA Workshop 2017
Manufacturing Workshop 2017
Monash Futsal League 2017
Monash Race 2016

CHARITY

Covid 19 Charity Drive 2020
(Lions Club of Kuala Muda)
Kulim Orphanage Charity
Drive 2019 (Lions Club of
Kuala Muda)

EXTRA CURRICULARS

FA Selangor League 19/20
The Pit League 2018 Champion
Shell Eco Marathon 2017
Monash Cup Futsal Champion 5X
Monah Futsal League 2019 3rd
Monash Futsal League 2018 1st
Monash Futsal League 2017 2nd
Warman 2016 2nd

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PORTFOLIO PROJECTS

MEMORI

Mobile app developed with a flask back end server and react-native. It serves to remind the user of simple day-to-day forgettable items and tasks. The app is expo dependant. Functionalities like expo-notification, geolocation and geocoding are used from expo.

REACT-NEXTAGRAM

This single page web application is an instagram clone dependant on react. It includes features like image upload, profile viewing as well as commenting and liking pictures.

FLASK-NEXTAGRAM

This app is a server side rendered instagram clone with api endpoints to allow integration with a front end app. Features include, Image upload, profile viewing as well as donating to and commenting on images

POSITIONS HELD

PRESIDENT

Motorsport Team Monash| Nov 2016-Nov 2018

- Responsible for managing overall performance of the club, from forming partnerships with other motorsport associations to the finance of the club.
- Responsible for conducting regular, non-profit field relevant workshops and training to members. (eg. Computer aided design and manufacturing workshops)
- Facilitate student participation in motorsport events

VICE-PRESIDENT

Monash Futsal Club| Nov 2016-Nov 2017

- Responsible for finance , networking with potential sponsors and marketing .
- Responsible for organizing a few varsity level events .

TEAM MANAGER/CO-FOUNDER

Monash Motorsport Malaysia| Jun 2017-2018

- Formula Student or Formula Society of Automotive Engineering is a racecar building competition which takes place all across the globe .
- Supervise design , materials and parts procurement as well as manufacturing carried out by all departments .
- Delegate tasks and construct timeline of design , manufacturing processess testing and driver training

HEAD OF DEPARTMENT (BODY AND CHASSIS)

Shell Eco Marathon Asia (Urban Concept)| Oct 2016- Apr 2017

- Design and build a lightweight chassis and body for an urban concept car in order to comply with all rules
- Consider environmental impact of all aspects of the car from materials used up to waste disposal .