

# Arjun Rvan Ravindran

*Excellent in numerical skills, engineering research & problem solving,  
analytical skills and project management*

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/arjunrvan



## EDUCATION

**Master of Engineering (Mechanical) – Second Class Upper** 2019-2020  
[The University of Melbourne](#)

- Awarded the Melbourne School of Engineering Scholarship
- Completed the Leaders in Communities Award (LiCA)

**Bachelor of Engineering (Mechanical) – First Class Honours** 2014-2018  
[Monash University](#)

- Listed in Dean's Honours List for 2016 and 2017
- Awarded Best Final Year Project by IEEE (*Effect of Fractal Tree Network during Radiofrequency Ablation*)
- Won the gold medal in futsal for Monash Cup in 2016

## CERTIFICATES

**Autodesk CAD/CAM/CAE for Mechanical Engineering Specialization (Fusion 360)** 2020  
[Autodesk, through Coursera](#)

**Finance for Non-Finance Professionals Certificate** 2018  
[University of California, Irvine through Coursera](#)

**Introduction to Computer Science and Programming Using Python** 2018  
[MITx through edX](#)

**Certificate for Mechanical Design at the Level of Associate** 2016  
[Dassault Systemes](#)

## ENGINEERING EXPERIENCE

**Junior Design Engineer** 2021-Present  
[SDMK Sdn. Bhd.](#)

- Conceptual design of working jigs for clients in the aerospace industry
- Plan manufacturing processes for production of jigs

**Technical Sales Intern** 2017-2018  
[ABB Malaysia \(Robotics Division\)](#)

- Performed RAPID Programming of robots for video demonstrations and events
- Completed RobotStudio simulations for 3 client projects
- Conducted robot pre-delivery testing
- Programmed and promoted YuMi robot at the Sweden-South East Asia business conference involving several multinational companies in February 2018

**Mechanical Engineering Intern** 2016-2017  
[General Electric Malaysia \(Gas & Power Systems Division\)](#)

- Designed & proofread Process Flow Diagrams in AutoCAD
- Compiled Bill of Materials (BOM) for 3 regional projects
- Handled Design Freeze List in coordination with contract derogation lists
- Completed weekly training with the Lead Process Engineer regarding the various equipment and systems employed at power plants

## GENERAL EXPERIENCE

### Live Projects Business Consultant

July 2020

Impro Melbourne

- Completed audit of current social media status
- Researched best social media practices of competitors
- Identified potential target market
- Designed a comprehensive social media strategy

### Telethon Caller (Student@Work Program)

March 2020

The University of Melbourne

- Engaged alumni by inviting them to events and requesting donations for multiple scholarships

### Student Services Assistant (Student@Work Program)

2019-2020

The University of Melbourne

- Managed the distribution of student ID cards
- Assisted students with queries regarding enrolment, timetabling or fees
- Responded to student emails with professional responses

### Clinical Assistant

2008-2018

Joon Dental Clinic

- Conducted inventory checks for existing dental products
- Interacted with patients (check in, managing appointments, product sales and billing)
- Assisted the Dental Surgeon during treatment

## TECHNICAL COMPETENCES

	Beginner	Intermediate	Advanced	
SolidWorks			✓	<i>Used extensively in university</i>
Fusion 360 (CAD/CAM/CAE)			✓	<i>Learnt due to personal interest</i>
AutoCAD 2D		✓		<i>Practised during internship</i>
MATLAB			✓	<i>Used extensively in university</i>
COMSOL Multiphysics			✓	<i>Used during final year project</i>
ANSYS		✓		<i>Used in university</i>
Robot Studio	✓			<i>Practised during internship</i>
RAPID Programming			✓	<i>Practised during internship</i>
Abaqus CAE		✓		<i>Used in university</i>
Python		✓		<i>Learnt due to personal interest</i>
Chemkin	✓			<i>Used in university</i>

## VOLUNTEER ROLES

### Peer Mentor

2019-2020

[The University of Melbourne](#)

- Providing a platform to make friends to commencing Bachelor of Science students
- Giving advice based on experience as a university student
- Providing an avenue for emotional support

### Wash Club Volunteer (Sustainable Campus UniMelb)

2019

[The University of Melbourne](#)

- Handled reusable plates and cutleries used by patrons of the weekly Farmers Market

### Soccer Referee

2019

[RoboCup Junior Australia](#)

- Enforce match rules at the 2019 Australian Open
- Ensure game starts and ends on time

### GE Volunteers Team Member

2016-2017

[General Electric Malaysia](#)

- Led the donation drive targeted to employees for the Ampang Old Folks Home
- Visited and provided companionship to the residents of Ampang Old Folks Home

## LANGUAGES

- English (Full Proficiency)
- Malay (Full Proficiency)
- Tamil (Full Proficiency)
- Malayalam (Limited Proficiency)
- Mandarin (Can Understand)

**Referees available upon request.**