




Vishnu Venkatesh

 [linkedin.com/in/vishnuv96](https://www.linkedin.com/in/vishnuv96)  +1 (778) 998 7129  vishnu.venkatesh1996@alumni.ubc.ca

Technical Skills

Modeling and Analysis

SolidWorks

MATLAB

Programming

C

Java

Visual Studio

Prototyping

3D Printing

Laser/Waterjet Cutting

Machine Shop Tools

Circuit Analysis

Quartus Prime

Multisim

Content Development

Microsoft Office

LaTeX

Other Interests

Public Speaking

Origami

Machining

Keyboard

Reading

Languages

Native English

Conversational Tamil

Limited Working French

Limited Working Hindi

EDUCATION

Bachelor of Applied Science, Engineering Physics (ENPH)

University of British Columbia (UBC), Vancouver

2020

- Recipient of Outstanding International Student Award

International Baccalaureate Diploma, High Honors

Abu Dhabi International School, Abu Dhabi

2014

- Recipient of Excellence in Science award

PROJECT EXPERIENCE

Magnetic Mapping of SRF Cavities

TRIUMF (Tri-University Meson Facility), UBC

2019

- Designed and constructed a coil array to study superconducting radio frequency cavities.

Moving Magnetic Field Particle Trap Decelerator

Centre for Research on Ultra-Cold Systems, UBC

2018

- Worked in a team to simulate and construct a segment of a linear magnetic particle decelerator to cool down methyl radicals.

UBC Unmanned Aerial Systems Design Team

University of British Columbia

2018

- Identified design flaws in the communication system and redesigned it to improve reliability.

UBC ENPH Robot Design Competition

University of British Columbia

2016

- Worked in a team to develop an autonomous robot to path-find and transport objects.

UBC Orbit Design Team

University of British Columbia

2015

- Designed internal and external structure of a CubeSat satellite and fabricated its parts.

WORK EXPERIENCE

Project Intern

Honeywell International Inc, Abu Dhabi

Jun 2015

- Assisted with Kaizen and 5S implementation for warehouse material.
- Learnt basics of process control systems and its industrial applications.

Intern

Denholm Yam Contracting Co, Abu Dhabi

Aug 2015

- Documented changes between versions of HVAC drawings and revised bills of material.

EXTRACURRICULARS

Toastmasters International

2020

- Active member of Toastmasters chapters in Abu Dhabi and Vancouver.
- Mentored new members and evaluated them on their speech projects.
- Awarded Competent Communicator certification.
- Coached students in public speaking and leadership skills at Vancouver Gavel Club.

Peer Tutor

2014

- Tutored middle and high school students in math and science.