



BRAGADEESHAN SUPPUSAMY

COMPUTER ENGINEERING GRADUATE

CONTACT

Mobile : +94 77 652 8181
Address : No.38,Mainstreet,Hatton.
E-mail: bragadeesh0071@gmail.com
Website : <https://bragadeeshan-portfolio.netlify.app/>

Linked in : [bragadeeshansuppusamy](#)
Github: [Bragadeeshan](#)

TECHNICAL SKILLS

PROGRAMMING LANGUAGES | C ,

Java, Python, MATLAB , Co

HARDWARE PROGRAMMING |

Verilog, AVR C,ARM Assembly,
Raspberry Pi

WEB/APP DEVELOPMENT |

Django, Django REST, HTML, PHP,
Dart, React,NodeJS

PCB DESIGN | Proteas, Fritzing

3D MODELING | Fusion 360 , solid
works, AUTOCAD

OTHER SOFTWARES | ADOBE

Photoshop, Premier Pro,
Lightroom, Canva, Slack , Click up,
Google Sheets / Slides / Docs

PERSONAL SKILLS

Critical & Analytical Thinking
Decision Making
Project Management
Growth Mindset
Innovative Thinking
Time management
Team player
Fast learner
Motivated

INTERESTS

IOT
Cloud Computing
Machine Learning
Graphic Designing
Video Production
Video Editing
Mobile application
Digital Marketing
Badminton

LANGUAGES

TAMIL - NATIVE
ENGLISH -FLUENT
SINHALA - FLUENT

PROFILE

An Ambitious Computer engineering undergraduate who is in a way of becoming a future leader and a hard-working and dedicated student.Extremely motivated to constantly develop my skills and grow professionally. I am confident in my ability to come up with interesting answers to the problems laid in front of me

EDUCATION

BSC IN COMPUTER ENGINEERING - UNIVERSITY OF PERADENIYA

Nov 2017 - 2023 | Sri Lanka

GPA - 3.0/4.0

GCE ADVANCED LEVEL - HIGHLANDS COLLEGE HATTON

2016

Maths - A , Chemistry - A , Physics - B
z-score 1.86

WORK EXPERIENCE

SOFTWARE SUPPORT ENGINEER - SPADES

April 2022 - December 2022 | Sri Lanka

DEV-OPS ENGINEERING INTERN - ARIMAC

Jan 2022 - April 2022 | Sri Lanka

PROJECTS

ENHANCEMENT OF THE EFFICIENCY OF VEHICULAR COMMUNICATION USING SDN

Research on Vehicular communication to enhance mobility using software defined networking and improvement of SDN VANETs
link - <https://github.com/cepdnaclk/e16-4yp-Enhancement-of-Efficiency-of-Vehicular-Communication-using-SDN>

SMART VENDING MACHINE

Smart vending machine controlled by a web application with real-time transaction tracking and updating in the cloud.
Technologies - Python Django, Django REST, HTML ,PHP, Proteas, Raspberry Pi
link - <https://github.com/cepdnaclk/e16-3yp-smart-vending-machine>

IMSHARE

Social media mockup software where you can share, post, comment pictures
Technologies - React, NodeJS ,Netify
link - <https://github.com/Bragadeeshan/imsocial>

DEEP LEARNING BASED SIDE CHANNEL ANALYSIS

Research project on side channel analysis using deep learning to prevent the information leakage through one of the side channel power leakage.
Technologies - Python, MATLAB
(Still on progress)

CLUBS & SOCIETIES

AIESEC
Gavel club
Engineering Students Union
Hindu Students Union

ACHEIVEMENTS

BEST EMERGING YOUNG LEADER - AIESEC IN KANDY

AIESEC in University of Peradeniya

ACES CODERS V8.0 - PARTICIPATION

12-hour algorithmic coding
nationwide competition,
nationwide competition
over 150+ teams

DEEP SPEED - SEMIFINALISTS

Line following robot competition
Top 5 out of 80 teams participated.

DART - BEGINNERS COURSE

Udemy Certification.

PYTHON BOOTCAMP

Udemy Certification.

A-Z AZURE FUNDEMENTALS

Udemy Certification.

CI/CD INTRODUCTION

Udemy Certification.

REFEREES

DR. DAMAYANTHI HERATH

Senior Lecturer,
Dept. of Computer Engineering
University of Peradeniya
damayanthiherath@eng.pdn.ac.lk
+9481 239 3920

DR. ISURU NAWINNE

Senior Lecturer,
Dept. of Computer Engineering
Univerisity of Peradeniya
isurunawinne@eng.pdn.ac.lk
+9481 239 3470

DR. JANAKA ALAWATUGODA,

BSc(Hons.), PhD, FBCS, MCS(SL), IACR Member
Senior Lecturer
Dept. of Computer Engineering
University of Peradeniya
alawatugoda@eng.pdn.ac.lk
+9481 239 3470

FUZZY BASED RECOMMENDATION SYSTEM FOR FINAL YEAR RESEARCH TOPIC SELECTION

Fuzzy logic based recommendation system using student's basic skills
as a computer engineering undergraduate and the output is
percentage of each research topic recommendation
Technologies - Matlab

LIVER DISEASE PREDICTION WITH MACHINE LEARNING

Liver disease prediction system using the datasets from UCI machine
learning repositories.
Technologies - Python

CAR RENTAL SYSTEM

A web application that can be used to manage rental activities.
Technologies - HTML, PHP, CSS

BIDDING SYSTEM

By using this Client-Server architecture application clients can bid on
whatever they like. Real-time updates will be
shown on the client-side.
Technologies - Java

8-BIT SINGLE-CYCLE CPU

8-bit single-cycle CPU based on Harvard architecture which uses a 32-
bit instruction word. This CPU can execute most algorithms
Technologies - Verilog, Harvard architecture, pipelining mechanisms,
memory hierarchy(direct-mapped cache), custom assembler
link - <https://github.com/Bragadeeshan/8-bit-CPU>

LEADERSHIP EXPERIENCES

LOCAL COMMITEE VICE PRESIDENT - DIGITAL EXPERIENCE

AIESEC in University of Peradeniya | 2020 | Sri Lanka

STUDENT AMBASSADOR ARIMAC (ARIMAC HEROES)

Arimac Lanka | 2020/2021 | Sri Lanka

ICOMM MANAGER - ENTITY CONTROL BOARD AUSTRIA

AIESEC in Austria | 2021 | Austria

VIDEO EDITOR - NATIONAL SHOWCASING TEAM

AIESEC in Sri Lanka |2019 | Sri Lanka

GLOBAL VOLUNTEER - POLAND

AIESEC in Poland |2019 | Poland

MODERATOR - ACES HACKATHON 2019

2019 | Sri lanka

HEAD PREFECT - HIGHLANDS COLLEGE HATTON

2016 | Sri lanka