BRAGADEESHAN SUPPUSAMY

COMPUTER ENGINEERING UNDERGRADUATE

CONTACT

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Github: Bragadeeshan

TECHNICAL SKILLS

PROGRAMMING LANGUAGES | C , Java, Python, MATLAB , Go
HARDWARE PROGRAMMING | Verilog, AVR C,ARM Assembly, Raspberry Pi
WEB/APP DEVELOPMENT | Django, Django REST, HTML, PHP, Dart, React
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
Web Development
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
3rd year Undergraduate | Nov 2017 - Present | Sri Lanka

Current 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 - Present | Sri Lanka

DEV-OPS ENGINEERING INTERN - ARIMAC
Jan 2022 - April 2022 | Sri Lanka

PROJECTS

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

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**)

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

REFEREES

DR. JANAKA ALAWATUGODA,
BSc(Hons.), PhD, FBCS, MCS(SL), IACR Member
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PORTFOLIO

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

AWARDS AND ACHEIVEMENTS

BEST EMERGING YOUNG LEADER - AIESEC IN KANDY
AIESEC in University of Peradeniya | 2019 | Sri Lanka

ACES HACKATHON - PARTICIPATION
Selected to top 10 teams

ACES CODERS V8.0 - PARTICIPATION
12-hour algorithmic coding nationwide competition,nationwide competition over 150+ teams

DEEP SPEED - SEMIFINALISTS
Line following robot competition -2018 Top 5 out of 80 teams participated.

DART - BEGINNERS COURSE
Udemy Certification.

PYTHON BOOTCAMP
Udemy Certification.