

AYLMER BRITTO R

HCI | AI-Systems | RESEARCHER |

@ aylmerbritto@gmail.com 9843497974 Bangalore, Karnataka, India
in <https://www.linkedin.com/in/aylmer-britto-800950130/>

www.aylmerbritto.com



Please visit www.aylmerbritto.com for more details.

EXPERIENCE

yKnot Concepts

Co-Founder | CTO

Developing 'thedesign.app' (business management tool for single handed independent merchants) and also heading research on delivering AI solutions for people facing economic edge devices

March 2020 - Present

Capillary Technologies

Artificial Intelligence Systems Engineer

Pi Dockerised Applications, Light REST-API servers based on LUA, CI/CD Automation for AI-Deviies, explored and designed vaious IoT architectures for POS Capture Device, Design ML/DL Model inferencing engines for low-compute Devices

Dec 2019- Present

Bangalore

Euro Exim Bank

Strategic Investment Intern

Reported projects on the following Technologies: Brain Computing Interface, Bone Conduction Technology, Pizza Vending Robot

April 2019 - Nov 2019

Reporting Office : London, UK

EinNel Technologies

Data Analyst

Developed a MultiVariable Optimization Algorithm for Vehicle synthesis and analysis simulation

June 2019

Chennai

NOKIA Networks And Solutions

Backend Developer

Developer of IoT Enabled Overall Engine Efficiency System. Developer of OEE system for SMT Technology with XMCC integration

April 2018 - October 2018

Chennai

AWARDS AND RECOGNITION

Best Student Paper Award

National University of Singapore

Design and Analysis of a Novel IOT Controlled Bio-mimetic Robotic Fish

September-2018

Singapore

IEEE Student Fund

Project Funded by IEEE Madras Section

LoRaWAN based SMART IRRIGATION MANAGEMENT SYSTEM USING MACHINE LEARNING

Nov - 2018

Chennai

POSITIONS

Head of the Department (Electrical) at Technocrats
The only Official Robotics team of VIT Chennai and Vellore(for ABU ROBOCON)

Co-Founder and Overall Project Head,IEEE student chapter for computer society VIT Chennai

PROJECTS

- Bone Conduction Microphone and Recognition**
Designing an efficient Bone Conduction Microphone and implementing it to identify the speaker using VGGVox Deep Learning
- Bio-Mimetic Turtle**
To develop IoT based bio-inspired robotic turtle and make it traverse in shortest path between two points avoiding obstacles,using optimization algorithms
- IoT Based Kitchen Automation using Speech Recognition**
Kitchen appliances were controlled over voice commands using MFCC features and IoT Technology
- Soil Moisture and Crop yield Prediction**
Automating the irrigation in the farm by predicting soil moisture content and also predicting the crop yield using Machine Learning Algorithms
- Smart Garbage Monitoring System**
An independent IoT server was deployed using HTTP protocol for handling requests from target nodes.

TECHNICAL SKILLS

Programming Languages: C, C++, python, Bash, Lua

*Hardware:*Arduino, Raspberry pi,89s52, LPC11U24, Arietta-G25

Software: MATLAB and SIMULINK, Keil uVision,Proteus, CMAKE, Dockers,JIRA

ACHIEVEMENTS

- Winner of "ROBOMAZE"
- Moderator of ConnectiVITee IoT Workshop
- Runner-up in "Wireless Devices/Communication Make-a-thon"
- Runner-up in "Makers Gonna Make"
- Organiser of "NOKIA IoT Make-a-thon V"

EDUCATION

B.Tech in ECE

CGPA:8.79

Vellore Institute of Technology, Chennai

May 2016- May 2020