ASHVIN MENDIS

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I am a self-motivated and energetic individual who has both higher education qualifications and work experience in the industry. I am also experienced in web & mobile developing, IoT, electronic, IC programing, industrial automation, coordinating engineering projects.

Key Skills

- Ability to quickly learn new things within a short period.
- Have a strong team spirit and ability to work independently.
- Ensure tasks are completed within the estimated time

WORK EXPERIENCE

Associate Software Engineer - Tracified (Pvt) Ltd
February 2022 - present

- Developed high quality dynamic and responsive web applications using Angular.
- Developed mobile application and Migrated ionic-V3 mobile applications to ionic-V6 using the Ionic framework, improved performance and stability. (Developed apps links - google play link1, google play link2)
- Employed techniques such as code splitting, reduce loading time, code minification and lazy loading.
- Skilled in Identifying and resolving software bugs in both web and mobile applications.
- Contributed to the backend development using node.js

Technologies used - Ionic, Angular, node-js, TypeScript, C++

Associate Mechatronics Engineer - Urban Agri (Pvt) Ltd
March 2021 - February 2022

- Engineered solution to production and process efficiency utilizing C++ in microcontroller programming.
- Utilized Blynk IoT platform to monitoring and control the production and plant condition.
- Build micro controller units and deployed automation systems for plant process and enhance productivity.
- Designed PCB and build custom hardware to meet management requirements.
- Conducted R&D activities to improve the production and plant quality.

Technologies used : C++, Blynk IoT, Wi-Fi, Eagle, Arduino IDE, IoT

Hardware Trainee - Diesel & Motor Engineering PLC
August 2019 – February 2021

- IR AC Controller: Designed and programmed an IR AC controller which can control the air conditioners base on the room window state utilizing C++ and eagle.
- Power monitoring: Designed and programmed utilizing C++ and eagle which can measure voltage, current & power and send values to MQTT server true WIFI and developed a user dashboard using Node-Red.
- Customized GPS unit's setting within GPS platform.
- Inspected the BYD full electronic car charging units of DIMO clients.

Technologies used - Arduino IDE, C++, Eagle, Proteus, Wi-Fi, IoT

TECHNICAL SKILLS

- Programming Languages : JavaScript, TypeScript, jQuery, SQL, HTML, CSS, SASS, C++,Python

- Frame Work : Angular, Ionic

- Version Controlling : GitHub, Jira

- IDE : Visual Studio, Arduino IDE, Atmel Studio

- Microcontrollers : ESP8266, ESP32, ATmega 328

- CAD Software: Proteus, Eagle CAD

ACADEMIC QUALIFICATION

- **Master of Engineering (Hons) Mechatronics Engineering (2015-2019)**
  Classification: Second class upper division. Awarded by University of Wolver Hampton UK.

- **Certificate course in web developing design and development at NIBM. (2020)**
  Designed and developed an Inventory web application by using HTML, CSS, Bootstrap, Java Script, PHP, SQL technologies and presented.

ACADEMIC PROJECTS

- **Smart Gloves for Deaf (Group) Achieved as best project & won the gold medal**
  The Smart-glove is converted the sign languages into words(voice) via a mobile application. This creates the opportunity for the deaf persons to communicate with others. Developed the code for reading data from flex sensors and master-slave Bluetooth protocol connection utilizing C++.

- **Pet Feeder Robot (Individual)**
  A robot capable of feeding pets through a mobile application. overcoming distance barriers and observing pets by a mini-camera. this robot can be fully controlled via a smartphone.
  the robot was programmed with Raspberry Pi and designed the GUI by Python. Designed the robot cheesy and the circuit (PCB) using eagle and solidwork.

NON RELATED REFEREES

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