Mahesh Wagh

PG-Diploma Internet Of Things (CDAC)

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Summery

I am an MCA and PG-DIoT Graduate Student And who found this true passion in programming. In my CDAC Journey, I worked on various hardware such as STM32, ESP32, Raspberry-Pi and Various Sensors. I was curious to know how these programs worked the way they do, I started teaching myself how to code. Almost immediately, I knew this is what I wanted to do. I love the combination of creative and logical problem-solving skills I get to use when writing code. I am a fast learner and self-motivated. Multitasker with excellent work ethic, teamwork, problem-solving, and organizational abilities. Willing to tackle any challenge with a dedicated and resourceful attitude.

Skills

- **PROGRAMMING TECHNOLOGIES**
  - C And C++
  - Python
  - HTML/CSS
  - Node.js
  - JAVA
  - REST

- **DATABASE SKILLS**
  - SQL Analytics
  - MongoDB
  - InfluxDB
  - DynamoDB

- **PROTOCOLS**
  - HTTP Protocol
  - COAP Protocol
  - MQTT Protocol

Project During CDAC

Title : **Algae Bloom Detection**

Platform : **C and Python** **Duration :** 02 Month

Description : A system that sends data over the Edge using the MQTT protocol by employing the Turbidity, TDS, pH and Temperature sensors connected to an ESP32. MongoDB is used for data storage. This real-time data is then tested over a trained model to detect early signs of Harmful Algal Blooms in water bodies and alert the relevant authoritiesand/or the general public via an Effective Angular web page that routes to the Grafana dashboard. The model required for prediction is trained and tested over a dataset using linear regression and random forest algorithm.

Hardware Implement : Esp32,pH Sensor, TDS sensor , Temperature Sensor, turbidity Sensor

Software Implement : 1) MongoDB and SQL for Realtime Data for storage
2) Data Visualization Using Angular routes through Grafana Dashboard
3) send Data Over The Edge Using MQTT By esp32(connected sensors) all the data is stored in MongoDB

Project Repository : https://github.com/Mahyawagh/Algae-Bloom-Detection

Project During College

Title : **Direct Mart E-Commerce Shopping Website**
Platform : MS.NET & SQL **Duration :** 6 Months

Description : Developed and maintained a Direct Mart e-commerce website, including product catalog, checkout process, andpayment gateway integration Monitored and analyzed website performance metrics to identify areas for improvement and implemented strategies to enhance user experience and conversion rates.

Title : **Bus Reservation System**
Platform : MS.NET **Duration :** 3 Months
Description : BRS intend to provide Bus Reservation System that System to the public service will provide facilities for passengers to Book bus Ticket and Bus Reservation and passenger know that Arrival and departure timing, shows on Bus Tickets This system work for Bus Reservation.

Education Details

Post-graduation Diploma In IoT — Mar 2023 – Aug 2023
CDAC Acts — Pune, Maharashtra
69.11%

Masters Of Computer Application — 2022
ASMA Institute Of Management — Pune, Maharashtra
88.00%

Bachelor's In Computer Application — 2019
Smt Kashibai Navale College Of Commerce — Pune, Maharashtra
59.08%

Higher Secondary Education — 2016
Ashok Vidyalaya And Jr College Of Science — Pune, Maharashtra
51.38%

Secondary School Certification — 2014
Deulgaon Raja High School — DeulgaonRaja, Maharashtra
65.00%

Extracurricular Activities

- Participated In School Cricket Competition
- Participated In Tree Plantations Works and Road safety initiative
- Working As A Volunteer in Election Campaign

Other Information

Full Name : Mahesh Haribhau Wagh

D.O.B. : 14/11/1998

Address : Lane No 1,House No 30,Near Durga Mata Temple ,KarveNagar, Pune 411052.

Hobbies : Playing Cricket, Playing Online Games, Travelling.

Languages : English, Hindi, Marathi.

Passport : **YES**

I hereby declare that the information given above is true to the best of my Information knowledge belief.

Date : **Signature :**