Rahul Vijan

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Project Proposal
SustLabs

🔗 https://sustlabs.com/

My Interest

A recommendation engine is of particular interest to me as it is based on M.L and IoT. Reading data from appliances, sending them to a remote server where it can be cleaned and trained to predict future consumption/actions , detecting anomalies at edge itself and notifying the client is a typical IoT solution which can help the client to cut on costs/improve efficiency. The above is of my particular interest as IoT is my passion.

Skills to Learn

I wish to learn classifying M.L models based on application, efficiently applying a M.L model to an IoT solution. Learning how to debug errors while predicting future values based on historical data, detecting anomalies and over/under usage and alerting the client, recommending solutions based on historic data for better efficiency. In a nutshell M.L at Server and anomalies at edge, practical experience with a real life solution.

My projects

One of my collaborative mini projects is a IoT Based Surveillance Car which can be controlled, tracked globally as well as its data can be accessed globally. The camera on the front of the car can also be monitored globally. It can go anywhere where sim connection is available, it's speed can be changed and the camera angle can be changed (5th Sem Mini project).

I'm currently working on building a Cloud Storage and a File sharing Web App with a classmate using ASP.NET and some additional Js if required. It will be a prototype of an actual cloud storage like Onedrive where shared access can be given to custom email ids of registered users.

If given an opportunity i'd get to learn a lot.

P.S : My CV is attached below

Sincerely,
Rahul Vijan

RAHUL VIJAN

Prof Summary

I am a 20 year old engineer hungry to learn and expand my knowledge and experience while enhancing and enriching my affiliated organization.

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EDUCATION BACKGROUND

Xavier Institute of Engineering

- Xavier Institute of Engineering: Bachelor of Engineering in Electronics and Telecommunications
- CGPA(Upto Sem IV)-9.50

HSC AND SSC

- **Higher Secondary Certificate(HSC):** Guru Nanak Khalsa College of Science Commerce and Arts

- **Secondary School Certificate(SSC):** Don Bosco High School, Matunga   Percentage-86.80%

SKILLS

- **Python / C / C++ / C#**
- **Data Science**
- **Embedded Systems**
- **Iot / Iot Cloud**
- **MQTT/HTTP**
- **Azure Cloud Fundamentals**
- **Cloud Computing Fundamentals**
- **Html/JS/WS basics**

PROJECTS

Surveillance car: (View)

Sem V Miniproject 2A

- This is a Iot Based Surveillance Car which can be controlled, tracked globally as well as its data can be accessed globally.
- The camera on the front of the car can also be monitored globally.
- It can go anywhere where sim connection is available.

Digital Clock: (View)

Sem III Miniproject 1A

- This is Digital Clock which can be set and changed manually.

ACCOMPLISHMENTS

- Microsoft AI-900 (View)
- Azure Cognitive Services (View)
- Python (View)
- IOT (View)
- ASP.NET(View)