

# Ariharan Vaitinadin

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## Profile

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To work in a dynamic, challenging and competitive environment where I could improve my knowledge, capabilities and use them for the development of the organization.

## Professional Experience

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| 2022/04 – present | <b>Software Engineer, Cognizant Technology Solutions</b> <ul style="list-style-type: none"><li>• Working as a Full stack developer in React JS</li><li>• Worked on Azure IOT for the IOT based requirement in our project</li><li>• Developed react application for operation the IOT devices as a POC</li><li>• Worked as part of team in Android application development for the client requirement</li><li>• Developed API for retrieving the data from the Database (MongoDB)</li></ul>              |
| 2018/06 – 2022/03 | <b>Developer, Tata Consultancy Services</b> <ul style="list-style-type: none"><li>• Developed python scripts for storing and retrieving the data from the cloud platform (AWS - S3) for analyzing the data</li><li>• Developed a web interface with React Js for visualizing the data from Database (MongoDB)</li><li>• Developed Api script with Node js for web application and integrated with MongoDB</li><li>• Developed IOT automation scripts with python for Embedded system operation</li></ul> |

## Projects

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|-------------------|---|
| 2018/06 – 2022/03 | <b>Cognitive Business Operation, TATA Consultancy Services</b> <p><i>Internal TCS innovation team</i></p> <p>The internal TCS innovation team develops the various POC ( Proof of Concepts ) for the various business teams with in the TCA to meet their requirement. Here the team integrate various technologies to make an idea that fulfill the requirement from the business team. Below are the Projects i have worked with innovation team</p> <p><b>Digital Twin (2018/06 - 2020/01)</b></p> <p>The concept of visualizing the whole infrastructure with integration of different technologies like Python for data processing, React JS for web application UI, Node JS for api request and MongoDB for storing the data. Prediction is done with Python and regression algorithms for future requirement of the resources used in infrastructure.</p> <p><b>Intelligent IVR (2020/02 - Present)</b></p> <p>The concept of developing an automated IVR for the customer and the audio is recorded and converted into string formats using amazon transcribe and stored in AWS - S3 bucket. With the help of converted data the users feed back is processed with python scripts and feedback is visualized in the web UI.</p> |
| 2022/04 – present | <b>Life Science Innovation, Cognizant Technology Solutions</b> <p>The concept of developing the POC's for the new requirement in the field IOT operation for handing the data from the huge volume of IOT devices and visualizing the data. The process also involve controlling the data from the cloud machine to preform required operations. The technology used to create the React JS for web application UI and Node JS for API request handling and Mongo DB for storing the data.</p>  |

## Skills

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Python	● ● ● ● ●	IOT	● ● ● ● ●
Android	● ● ● ● ●	ReactJS	● ● ● ● ●
NodeJS	● ● ● ● ●	Express Js	● ● ● ● ●
Javascript	● ● ● ● ●	Azue IOT	● ● ● ● ●

## Interests

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- Music
- Gardening
- Agriculture Automation
- Teaching

## Awards

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### iREp - 1st Runner up

*Tata Consultancy Services*

iRep is an Azure cloud automation competition conducted by Tata Consultancy Services. It has various challenging tasks to be completed in given span of time

### Best Project of the year (Kalanjiyam)

*Sri Manakula Vinayagar Engineering College*

The complete automation of agriculture with the concept of growing various type of crops in a single land field where everything is controlled by the cloud automation process with integration of various techs IOT and CNC mechanics

### Won 1st prize - The Sailor Man

*Government of Puducherry - Labor Department*

The Solution for India and Sri Lanka fisherman crisis, when a ship tends to cross the border instead of creating an alert the boat is driven back, to stay within the border by an automated driving mechanism with the help of GPS and Electronic Magnetic Compass

## Own Developed Projects

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### Terrace Garden Automation

Since I have interest in gardening , I have an automated system to water the plant and add organic fertilizer in an automated way based on the time periods. A Raspberry pi computer is acting as an server which is user to manage the jobs and save the data of resource used like water and fertilizer for the future processing more than 200 varieties of plants are controlled by the automation unit and its scalable to as many plants required.