

Summary

- Talented 16 year old with an industrious and systematic approach to learning information who loves to understand challenges.
- I'm a Tech-Enthusiast with extensive knowledge of IoT and Amazon Web Services.
- I am currently learning and exploring more about TensorFlow, deep learning and intelligent video analytics.
- I've worked on various modules based on Raspberry Pi and Jetson Nano.
- Having good experience of using Amazon Web Services, Microsoft Azure, Google Cloud Vision API, Google Assistant API and NVIDIA's DeepStream API.
- Created and maintaining my own website using WordPress, self-hosted on AWS.
- I also have experience working with IBM's Node-RED.
- Worked with customers from the UK and the US to understand needs and build them websites with WordPress or update their existing ones.

Skills

- | | |
|-----------------------------|--------------------------------|
| • Amazon Web Services (AWS) | • IoT (Internet of Things) |
| • Python | • Linux |
| • Node-RED | • WordPress Web Development |
| • TensorFlow | • Redis OSS & Redis Enterprise |

My Journey / Experience

- **Age 16:**
 - Learned about **Amazon Web Services**, and got the certificate for the AWS: Solution Architect Associate Course on [Udemy](#).
 - Hosted my personal blog website on AWS.
 - Learned about computer vision, **TensorFlow** (Machine Learning) and got the TensorFlow Developer Professional Certificate from [DeepLearning.AI](#)
 - Worked with **Redis OSS & Redis Enterprise** DBs including setup, configure, and creating a replica.
 - Won the first prize in the **District Science Exhibition** organised by the State Government.
- **Age 15:**
 - Created websites for the UK, US and Germany Clients and it was my first earning.
 - [Human Eye for the Visually Impaired](#): Created a device with the Raspberry Pi, that will help visually impaired people to point a camera at an object, and it would speak out what the object is. *This got over 240,000 views on LinkedIn, and more than 6,100 likes.*
 - Won a Gold in an Inter-school competition in NCR, with this project, and I was also given "The Changemaker" plaque by my school, for such an innovative idea.
- **Age 14:**
 - [Google Home](#): Using a Raspberry Pi, I created my very own Google Home. I posted this on LinkedIn, and it got over 350,000 views and more than 8,000 likes.
 - I was Invited to censhare India, a product-based german IT company, for their town hall meeting to give a [presentation](#) and showcase what I've created to all the employees.

- **Age 13:**
 - I created my [first website](#) where I started showcasing my projects and writing blogs.
 - I also built my [first desktop computer](#) at this age and got a very good response from it on my website.
- **Age 12:**
 - I got a **Raspberry Pi**, which is a palm-sized, small machine that can run several Linux operating systems. With that, I used python to create many small projects and modules using various sensors.
 - Learned about **robotics**, and created various robots with Lego's EV3 & **Arduino**.
- **Age 11:**
 - I learnt my first programming language, **JavaScript**. I thought of making a [playlist](#) online to teach JavaScript to other people. After a few videos, I lost interest and didn't post anymore.
- **Age 10:**
 - Posted my first YouTube video, [unboxing a camera](#).

Projects

[Smart Watchman using Jetson Nano, Microsoft Azure and DeepStream](#) - May 2020

A module which alarms the owner automatically the moment their vehicle goes out of the camera's sight. This can also be used at a lot of other places, for tracking a number of things and reducing human intervention.

[VisiORAL - Human Eye for the Visually Impaired](#) - May 2019

This is a module made using Raspberry Pi and Google Cloud Vision API which uses AI and ML to transform the visual world into the audio world for the blind.

[Raspberry Pi Google Home](#) - Aug 2018

I asked my dad for a Google Home, The answer I got was NO. So I made my own using the Google Assistant API and Raspberry Pi. This got over 350k views and more than 8000 likes on LinkedIn.

Education

10th Grade

Amity International School • Sector 46, Gurgaon, Haryana

04/2020

Personal Details

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