Naman Narula

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Summary

- Talented 17 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

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

My Journey / Experience

- **Age 16**:
  - TensorFlow: Learnt about computer vision, and got the TensorFlow Developer Professional Certificate from DeepLearning.AI
  - Rock Paper Scissors with TensorFlow: Created a rock paper scissors game that uses TensorFlow to identify hand gestures and play against the computer.
  - Amazon Web Services: Learnt about **AWS** and got the certificate for the AWS: Solution Architect Associate Course on Udemy.
  - Hosted my personal blog website on AWS.
  - Node-RED: Created a module with Node-RED to Control lights with Slack!**Redis**
  - **Redis DB**: Worked with **Redis OSS** & **Redis Enterprise** DBs including setup, configure, and creating a replica.
  - PC Build: Built myself a high-end desktop computer with a Core i7 Processor and 32GB of RAM.
  - 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*.
    - **Presentation at censhare India Pvt. Ltd**: 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**:
    - **First Website**: I created my first website where I started showcasing my projects and writing blogs.
    - **First Desktop Computer**: 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 myself 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.
    - **Robotics**: Learnt about robotics, and created various robots with Lego's EV3 & **Arduino**.
- **Age 11**:
    - JavaScript: 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**:
    - **First YouTube Video**: 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

12th Grade (2022)
Govt. Sr. Secondary School

10th Grade (2020)
Amity International School

Personal Details

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