

Arun Gauda

Computer Engineer

Contact

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Education

B. Tech – Computer Engineering

CGPIT, Uka Tarsadia University

CGPA: **8.11** 2016 - 2020

IELTS

Bands: **7.0** 28th Sept 2019

H.S.C (G.S.E.B)

Jay Ambe Vidhyabhavan, Surat

Percentage: **72%** 2014 - 2016

S.S.C (G.S.E.B)

Gurukul Vidhyapith V. T. Choksi, Surat

Percentage: **70%** 2013 - 2014

Projects

SFMS (Smart Farm Monitoring System) 2019 **IoT, Cloud**

- A monitoring system for farmers which can reduce the respective repeating jobs of a farm like daily monitoring.
- Needed data of a farm will be collected and will be published to the cloud platform and mobile app via which farmer can access the data and can keep him updated with the current situations.

SMH (Smart Material Handling) 2018 **IoT, Cloud & AI**

- A Smart System (vehicle) which can detect the easiest path to reach a destination and also can drive by itself along with the goods.
- Using an application user can set the source and destination address, the vehicle will deliver the goods by itself.

Blockchain-based Digital Identity 2020 **Blockchain, reactjs**

- A DApp (Decentralized application) for the users to log in and save their private data and share securely and reliably.
- Users will have several options regarding their private data such as what data to share, duration of data sharing, stop sharing the data and many more.
- Users can also make smart contracts via this application.
- As backend is based on blockchain technology, hence security and reliability can be achieved.

Smart_KYC 2020 **IoT, AI & aws**

- A Centralize application which can extract and store user's data from an image of any identification card using **aws text in image recognition service**.
- Also, it provides an approach to perform KYC verification by a single-click for any respective platform.

Dolly – A Virtual Assistance 2019-2020 **IoT, AI, Retina-net, NLP, aws**

- Dolly is planned to replicate smart devices like Alexa and to mitigate its limitations. To do so, Dolly has its processor a Raspberry pi, which handles its motors for the movement, and its various other features.
- Dolly is equipped with its NLP (Natural Language Processing) model for STT (Speech to Text) and TTS (Text to Speech) which are specially made for dolly, besides this, by using retina-net dolly can learn new things and new features can be added any time.
- Dolly also has a pathfinding mechanism, which makes movement easy even in an unfamiliar environment.
- Dolly can detect any dynamic voice command given by the user and perform the desired task if it is preinstalled in its system, if not then new tasks can be installed in its system any time.
- The NLP model installed in dolly is also responsive even without network connectivity.

Internships

Web and Mobile App Developer intern

IBL InfoTech

Duration: 2 months, 2019

Artificial Intelligence intern

i-Pangram A-Z Innovation Integrity

Duration: 6 months, 2019-20

Skills

Programming with Python, Java, PHP, C, C++, JavaScript, node js

IoT

Database Management

Web and Mobile apps development

Data Structures and Algorithms

Data Analysis

Data Science

Artificial Intelligence

Neural Networks

Blockchain

Amazon Web Service (aws)

Model creating and training using Retina-net

Achievements

- ❖ Participated and secured **4th** rank in **Data-Quezt at VESIM (Vivekananda Education Society's Institute of Management studies & research), Mumbai (National Level Event)**, 2019
- ❖ Participated and reach to the **finale** in **DotSlash at NIT (National Institute Of Technology), Surat (National Level Event)**, 2020
- ❖ Participated and reach to the **finale** in hackathon held by SSIP & Gujarat Knowledge Society at BVM Anand and PDP College, Gandhinagar (**State Level Event**) 2018-19
- ❖ Attended workshop on **Node JS** and **Angular JS** at UTU, 2018-19
- ❖ Attended workshop on Blockchain and its uses at UTU, 2018-19
- ❖ Worked as a coordinator in state level hackathon and helped to organize it
- ❖ Online Courses on Data Science, Python for Data Analysis and mining, Blockchain with js and python
- ❖ Online courses and practical application regarding creating and training models to detect various objects and for many other purposes using Retina-net.