# Parshwa Shah

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## EDUCATION

**Ahmedabad University**                                      Ahmedabad, Gujarat, India
*BTech in Information and Communication Techonology*                *Aug. 2016 – May 2020*

**Mahendra Kanaiyalal Secondary Secondary School**           Ahmedabad, Gujarat, India
*Higher Secondary School Certificate*                             *July 2015 – March 2016*

**Mahendra Kanaiyalal Secondary Secondary School**           Ahmedabad, Gujarat, India
*Secondary School Certificate*                                   *July 2014 – March 2015*

## PUBLICATION

**PeR-ViS: Person Retrieval in Video Surveillance using Semantic Description**        Jan. 2021
*Parshwa Shah, Arpit Garg, Vandit Gajjar*
- IEEE/CVF Winter Conference on Applications of Computer Vision Workshops (WACVw) - The 3rd International Workshop on Human Activity Detection in multi-camera, Continuous, long-duration Video (HADCV'21), 2021 (Oral)

## EXPERIENCE

**Intern at Bhaskaracharya Inst. for Space App. & Geo-informatics**        Jan. 2020 - May 2020
*Science & Technology Department, Govt. of Gujarat*                       *Gandhinagar, India*
- Developed a web application named Achilles in order to automate the work of labelling various datasets manually and to perform time series analysis on Aerial Images using Semantic Image Segmentation.
- Achilles also performs time series analysis on Aerial Images for tracking various environmental changes such as deforestation, afforestation etc and other changes such as Rural development, urbanization.

**Undergraduate Teaching Assistant**                              Dec 2018 - Nov 2019
*Ahmedabad University*                                             *Ahmedabad, India*
- Conducted lab sessions, prepared and graded the assignements & quizes.

| Course | Period |
| --- | --- |
| Advance Data Structure and Algorithm | August 2020 – Dec 2020 |
| Computer Networks | August 2020 – Dec 2020 |
| Computer Networks Lab | August 2020 – Dec 2020 |
| Data Science | August 2019 – Dec 2019 |

## PROJECTS

**Big-Data as a Service (BDaaS) and Function as a Service (FaaS) for Online Multiplayer Survival Games**
July 2019 – Dec. 2019
- A distributed solution for storing and performing analytics on game data of most popular games such as PUBG, CS: GO, Fortnite, Dota 2 etc.
- H-Base was used to store data and the client can retrieve his game data using a REST API.
- For data analysis, Spark was used so that the client can easily perform data analytics on a cluster of computers or can use some of our services to perform analysis.

**Augmented Reality viewer embedded with a Haptic Glove**              Feb 2018 – July 2018
- Designed an Augmented Reality headset and an interactive glove with the help of a smart phone and various sensors.
- User can run any of the currently existing AR applications on your smartphone and the gadget will convert it into a 3D interactive experience.

## TECHNICAL SKILLS

**Languages**: Python, C / C++, Shell Scripting, Java, R, Verilog HDL, MATLAB, SciLab, HTML, CSS, LATEX, Arduino, Octave
**Frameworks and Libraries**: Django, Tensorflow, OpenCV, Keras, scikit-learn, NumPy etc
**Operating Systems**:Windows, Linux (many distros)