



# ADITYAKUMAR KIRTIKUMAR SARVAIYA

Lalbhai Dalpatbhai College of Engineering, Ahmedabad - 380015

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## ABOUT ME

[www.linkedin.com/in/aditya-sarvaiya](http://www.linkedin.com/in/aditya-sarvaiya)

Passionate to renovate the existing resources in the best way possible for its better utilization. Seeking to take challenging and high performance oriented role in the technical field to implement the expertise and experience gained for developing complex projects with efficiency and quality.

## PROFESSIONAL EXPERIENCE / INTERNSHIPS

### Intel (Student Ambassador for Artificial Intelligence)

Aug 2017 - Current

I was selected as one of the only 170 students across the globe, as a Student Ambassador and Researcher particularly in the field of Artificial Intelligence and Machine Learning. Here I have worked with Intel Colfax Clusters and Dev Cloud for the better AI development.

Under: Mr. Rebanta Kanungoe & Mr. Siddhant Agarwal

### Silverwing Technologies (Data Analyst)

Sep 2015 - July 2017 (1.95 years)

This is the first company of my career where I joined as an intern and gradually after mastering few core languages like JAVA and PHP, I was trained for data analysis then I was appointed as the Data Scientist for the firm. Even in the consecutive years, I stayed connected with this company and served many of their projects.

Under: Mr. Mehul Patel

### Dynamic Hub (Founder and CEO)

Oct 2016 to June 2017 (8 months)

This is the company founded by me. Here we offer the IT services as website development, Application Development, SEO, content writing, etc. I have worked very hard for the progress of the company by serving as Executive head and Developer.

### Writopedia (Web Developer and Consultant)

July 2016 - Aug 2016 (2 months)

Writopedia is an international content writing company which offers many types writing services. I was hired by them as an intern to develop and manage their own website [www.writopedia.org](http://www.writopedia.org). Then I was the leading consultant for the firm for better SEO and Web development.

Under: Mr. Hardeep Pathak & Mr. Ashwin Ramesh

### Vox Populi Club (President)

March 2016 to March 2017 (1 year)

This is the oldest and most active club of my college which conducts many events throughout the year for the simultaneous betterment of students and college both. I served as The President for the whole year. My task was to make accurate decisions for the club which should lead to the progress of students and campus both. During this course of time, I have to handle and command the team of 43 club members.

Appointed by: Harsh Chanchal and committee

### Automatic Examination System

Core Concept: Machine Learning

Our system aims to remove Tutor dependencies during the time of self-examination. We aim to generate a system which can generate questions on given topic and analyze the answer given to each question on the basis of the relevance to the question. We used NLTK library along with sequence to sequence neural network which acts as encoder decoder scheme. We generated MCQs, Blanks, descriptive type of questions from given text or image.

*Guide: Prof. Dr. Thaker Chirag (L.D. College of Engineering) & Mr. Rebanta Kanungoe (INTEL Representatives)*

### Drowsy Driver

Core Concept: Machine Learning

This project uses OpenCV along side some pixel calculation. Whenever the eyes of driver remains closed for more than certain second, it detects the situation and wakes him up with an alarm. Still lot has to be done for correctly determining yawning. We used haar cascade and detected eyes and then calculated the ratio of white and black pixels. We are moving ahead in the direction of using CNN for optimal results.

*Guide: Mr. Rebanta Kanungoe & Mr. Siddhant Agarwal (INTEL Representatives)*

### Future Frame Analysis

Core Concept: Machine Learning

This system aims to predict few future video frames on the basis of the video itself. Our aim is to predict the action in the video after the end of the video, by the use of machine learning and object sequence analysis.

*Guide: Mr. Rebanta Kanungoe & Mr. Siddhant Agarwal (INTEL Representatives)*

### Wastage Refinery

Core Concept: Machine Learning

The Project deals with Neural Networks to achieve a reasonable accuracy of recognition of Waste Object of different types and Materials, such as Plastic bottles, Aluminium soda cans etc. It will detect Recyclable and Bio- Degradable Objects and separates it for better utilization.

*Self-made*

### Few live, web-based projects:

- [www.dynamichub.in](http://www.dynamichub.in) - My own company's website.
- [www.zealinternationalinc.com](http://www.zealinternationalinc.com) - An international Import Export company.
- [www.avsarvaiya.com](http://www.avsarvaiya.com) - A Law firm situated in Baroda.
- [www.highskyztourism.com](http://www.highskyztourism.com) - A Tour and Travels company.
- [www.thclabs.org](http://www.thclabs.org) - A blogging website managed by Writopedia.
- [www.writopedia.org](http://www.writopedia.org) - A content writing and content development company.

### Skills

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- Good command over few core languages such as JAVA, Python, and Web technologies (PHP, HTML, CSS, JavaScript, NodeJS, Electron, Wordpress, Basic Magento, Basic Angular)
- Considerable knowledge about Machine Learning, Artificial Intelligence and its tools/libraries like Keras, Tensorflow, Scikit Learn, Theano, OpenAI, GYM, Intel Colfax Clusters.
- Intermediate level knowledge of cloud services with AWS and Google Cloud Platform.
- Adaptive and Versatile engineer having more focus on problem-solving rather than language oriented approach.
- Ability to work in a team as well as lead the team.

## EDUCATION

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| Degree    | University/Institute  | Year | CPI/Percentile |
|-----------|---|------|----------------|
| B.E. (IT) | L.D. College of Engineering, Ahmedabad,<br>Gujarat Technological University             | 2018 | 8.25           |
| HSC       | Best High School, Ahmedabad<br>Gujarat Secondary and Higher Secondary Education Board   | 2014 | 90.43%         |
| SSC       | Kumkum Vidhyalaya, Ahmedabad.<br>Gujarat Secondary and Higher Secondary Education Board | 2012 | 92.79%         |

## Awards and Achievements

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- Got selected among India's top 200 candidates for NDA (National Defence Academy) Interviews held in Mumbai and Bangalore.
- Successfully secured the position of CR (Class Representative) for consecutive 12 years (Exclude 2 years in between Jr. KG to 12th Standard)
- Received "Best Club of the Year" Award for Vox Populi Club under my Presidentship.
- Successfully published Departmental YearBook 2016 at the college (first of its kind).
- Completed more than 100 tasks on HackerRank ([www.hackerrank.com/adityasarvaiya](http://www.hackerrank.com/adityasarvaiya))
- Managing Coordinator in various fests Sanchay 2014, Lakshya 2015-16, GTU Techfest 2015,17
- Got first position and third position in 'Rotary Club Elocution Competition' in the year 2010 and 2011 respectively.
- Organized a social event, Udaan in which we provided free food and stationery items to underprivileged kids on the occasion of the Utrayan festival and also gave them kites and threads to enjoy the festival.
- Central Coordinator of the orientation program of LD College of Engineering for 3 consecutive years.

## Personal

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| Languages Known | English, Gujarati, Hindi                             |
| Marital Status  | Single   |
| Nationality     | Indian   |
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