

## EDUCATIONAL QUALIFICATIONS

Year	Degree	Institute/School	CGPA / %
2016-2020	B. Tech (Electronics & Communication Engineering)	The LNM Institute of Information Technology, Jaipur	7.71
2016	Senior Secondary (XII)	Eden International School, Bhilwara	84.8%
2014	Secondary (X)	St. Anselm's Sr. Sec. School, Bhilwara	8.8

## WORK EXPERIENCE

**Web Developer Intern** - IDfy, Mumbai

(May'18–June'18)

IDfy builds products for person identification, authentication and fraud detection

- Increased email deliverability rate by implementing Gmail API
- Revamped usage of Google Maps Static API in web app and reduced cost
- Implemented and integrated MailCatcher to test sending email

## KEY PROJECTS

**Face Recognition**

(Mar'19-Apr'19)

*Technologies Used: Python, OpenCV*

- Extracted face embeddings for each face in the dataset using pretrained **OpenFace** model
- Trained a Neural Network on the face embeddings to recognize faces with an accuracy of 80%

**Fotoxo – A Photo Storing App**

(Feb'19-Mar'19)

*Technologies Used: Ruby on Rails, HTML, CSS, JS, PostgreSQL*

- Implemented **Sendgrid** for sending account verification emails
- Used **Stripe API** for receiving card payments from users and **AWS S3 Bucket** for storing images in production

**Hand Gesture Recognition**

(Feb'19-Mar'19)

*Technologies Used: Python, OpenCV*

- Extracted and segmented hand region from live video by thresholding
- Count the number of fingers from the segmented hand region by using **Convex Hull**

**TalkCube – A Group Chat Web App**

(Jan'19-Feb'19)

*Technologies Used: Ruby on Rails, HTML, CSS, JS, PostgreSQL*

- Achieved real-time messaging by implemented **WebSockets** with Action Cable
- Used **Devise** gem for authentication and **Semantic UI** framework for front-end development

**Sudoku Solver using OpenCV**

(Nov'18-Dec'18)

*Technologies Used: Python, OpenCV, Keras, Tensorflow*

- Extracted sudoku from an image by **cropping and warping** the largest contour detected in the image
- Trained a Neural Network over 60,000 images to identify each digit and store it in a 2D matrix
- Final solution of sudoku is calculated using **Backtracking Algorithm**

## POSITIONS OF RESPONSIBILITY

**Lead Graphic Designer** – TEDxLNMIIT

(Oct'17-Jan'18)

- Led a team of designers to design layouts and graphics for the events and social media platform

**Organizing Committee** – Desportivos'18

(Aug'17-Jan'18)

Desportivos is Annual Sports Fest of LNMIIT

- Responsible for the setup and execution of social media events and managed the social media account
- Led a team of graphic designers to design posters and graphics for the fest

## COURSES

Machine Learning A-Z (Udemy), Deep Learning A-Z (Udemy), CNN for Visual Recognition (CS231n Stanford), Machine Learning (Andrew Ng), Deep Learning Specialisation (Andrew Ng), RoR Developer Course (Udemy)

## SKILLS

- **Programming Skills:** Python, Ruby on Rails, C, MATLAB
- **Software Skills:** MATLAB, Git, Heroku, Adobe Illustrator

## LINKS

- **LinkedIn:** linkedin.com/in/aakashjhawar
- **GitHub:** github.com/aakashjhawar
- **Github Page:** aakashjhawar.github.io
- **Medium Blogs:** medium.com/@aakashjhawar