

# Rohan Lekhwani

B.Tech undergraduate

Computer Science and Engineering

Indian Institute of Information Technology Pune

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## EDUCATION

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Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	Indian Institute of Information Technology (IIIT), Pune	8.56	2017- Present
CBSE	Army Public School, Kirkee, Pune	87.6	2016
ICSE	Hutchings High School, Pune	95.17	2014

## RESEARCH AND INTERNSHIPS

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**Defence Research and Development  
Organisation (DRDO), New Delhi**

December 2018 and January 2019

*Research Intern*

- Worked at the **Defence Terrain Research Laboratory (DTRL)** under Mr. Vivek Saxena (Scientist -F) to visualize and predict the occurrence of landslides in regions between Rishikesh and Gangotri
- Made use of **QGIS** to extract relevant data from the **raster** and **vector** files and applied **Deep Learning** algorithms to get a best test set accuracy of **94%**.

**Center for Development of  
Advanced Computing (C-DAC) , Pune**

June and July 2018

*Project Intern*

- Worked with **Team GIST** at C-DAC using **NodeJs** and **Express** to create a web scrapper that could fetch phrases off websites, store them, translate them into user specified language and reload the translated website.
- Integrated the scraper by building a model that could use 3 translation services including **Google Translate**, **Yandex**, **Bing Translate** to translate the webpage into the required language.

## TECHNICAL SKILLS

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**Programming Languages** Python, Java, C, C++

**Frameworks/Libraries** Tensorflow, numpy, pandas, matplotlib, OpenCV

**Software** GNU Octave, MATLAB, Git, AutoCAD, Android Studio,

**Web Development** HTML5, CSS, Javascript, Bootstrap, NodeJs, Express

**Mobile Technologies** Android Programming

## ACADEMIC AND TECHNICAL ACHIEVEMENTS

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- Department Rank 6 (Semester 3)
- Bagged **All India Rank 24** and emerged as **Pune City Topper** in Nationwide Education and Scholarship Test. (NEST 1) 2017.
- Finalist in Rural Development Hackathon hosted on **HackerEarth** out of **3000** participants.
- Won **2<sup>nd</sup> Prize** in VIT Pune's Annual Coding Competition. (Melange 2018).
- Secured **All India Rank 5092** in JEE Main 2017 out of **1.3 million** candidates.
- Emerged as Physics School Topper scoring **95/100** (2016).
- Ranked 4<sup>th</sup> in school overall and topped English scoring **96/100** (2014)

## PROJECTS

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### Face Detection

January, 2019

<https://github.com/RonLek/Face-Detection>

- Used **OpenCV** along with Python to detect faces dynamically and to detect crucial areas on the face like eyes and the areas including the nose and eyes

### Twitter Sentiment Analysis

November, 2018

<https://github.com/RonLek/Twitter-Sentiment-Analysis>

- Used the **Twitter API** to analyze sentiments of Tweets related to a topic to predict a **subjectivity** and **polarity** rating that estimates the factualness/opinion and negative/positive sentiment for each Tweet that is analyzed by the model.

### Instascraper

October, 2018

<https://github.com/RonLek/InstaScraper>

- Built a webscraper using **requests** and **selenium** libraries in Python that downloads all the Instagram images of anyone on the Internet and saves it to the disk.

### Iris Flower Classification

October, 2018

<https://github.com/RonLek/Iris-Flower-Classification>

- Used **Logistic Regression, Linear Discriminant Analysis, K- Nearest Neighbors, Decision Tree Classifier, Gaussian Naive Bayes and Support Vector Machines** to predict Iris Flowers into 3 classes based on their sepal-length, sepal-width, petal-length, petal-width.  
Dataset - UCI Machine Learning Repository

### IIIT Pune App

September, 2017 - August, 2018

<https://play.google.com/store/apps/details?id=com.rohanlekhwani.iiitpuneapp>

- Built the **official Android app of IIIT Pune** having features like live mess menu, forum, and a mobile book issuing system for the library. The app has **received more than 200 downloads and has been rated 5-star by more than 100 users.**

### Bideo Player

April 2018

<https://github.com/RonLek/BideoPlayer>

- Built a video player from scratch that supports videos of MP4 format using **JavaFx** which includes changing video play speed (fps), jumping across videos and cinematic mode.

**Alive**

**August 2017**

<https://github.com/RonLek/Alive>

- Built an aircraft shooting console game inspired by **Nokia's Space Impact** game using C++

## POSITIONS OF RESPONSIBILITY

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**Co-Founder**

**March 2018 - Present**

**CSRC**

*IIIT Pune*

- Co-Founded **Cyber Security Research Club(CSRC)**, IIIT Pune in association with COEP's Information and Cyber Security Research Group (ICSRG) under Prof Deepak Kshirsagar(IIT Roorkee)
- Organized sessions and promoted research in the Institute regarding Cyber Awareness and Protection Methods.

**Head**

**October 2017 - Present**

*Codechef Student Chapter*

*IIIT Pune*

- Started IIIT Pune's **first** annual Inter - College Coding Competition- InfInTy.
- The contest is hosted on Codechef every year and over **200 submissions** were made by all the contestants around India in its first event.

## EXTRACURRICULARS

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Volunteering for **Teach For India**, teaching Maths and English and coaching 9<sup>th</sup> and 10<sup>th</sup> graders for Cyber Olympiads.(2019)

Volunteered at **Google Developer Group(GDG), Pune** to organize DevFest 2018 which was attended by more than **800** developers.

Maintain a technical [blog](#) on **Medium** comprising of my experiences building hobby projects and hackathons.

**Blue Brigade Marathon 2017** : Ran the 5 km Blue Brigade Marathon to create awareness about good health and won a medal.

**TCS IT WIZ 2013** : School representative for TCS IT WIZ 2013, India's biggest Inter-School IT Quiz.