

# Rasleen Kaur

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## COLLEGE

### INDRAPRASTHA UNIVERSITY

B.Tech in Computer Science and Engineering

Expected Aug 2020 | New Delhi, India

## HIGH SCHOOL

### S.S.MOTA SINGH SR. SEC. MODEL SCHOOL

GRADUATED: May, 2016 | New Delhi, India

## LINKS

Github:// [rasleen298](#)

LinkedIn:// [rasleen298](#)

Quora:// [rasleen298](#)

## COURSEWORK

**Core Java-** (Certificate)

**Machine Learning A-Z**

by Kirill Eremenko-Udemy  
(in progress)

**Django 2.1-Web Developer**

**Bootcamp-**

by Udemy

(Certificate)

## SKILLS

### PROGRAMMING

Python • Django Framework  
C/C++

Familiar:

- Java • HTML • CSS
- SQL • Latex

### LIBRARIES

OpenCV • scikit-learn

Familiar:

Matplotlib • Numpy

### OS

Mac OSX • Windows • Linux •

### TOOLS

PyCharm • Atom  
• Spyder

## EXPERIENCE

### RESEARCH AND DEVELOPMENT INTERN | BALLISTICS

DIVISION, FORENSICS SCIENCE LABORATORY (GOVT. OF INDIA)

June 2018 (Present) | New Delhi, India

**MENTOR- DR. AVINASH SRIVASTAVA**

- Developing a software which will help linking FIRs filed at different police stations by matching microscopic images of bullets and to find out if they are fired from the same firearm.
- Worked on Contour Detection and Image Segmentation using Canny Edge Detection Algorithm for masking out the breech face of bullet that is generally not required in comparison
- Used scikit-image library to extract the valid correlation areas by using Otsu Threshold Algorithm and Feature Extraction modules.
- Technical Stack Used: Python, Machine Learning, OpenCV, Matplotlib, Numpy, Scipy, scikit-learn

## PROJECTS

### SMART INDIA HACKATHON 2018 | BALLISTICS RECOGNITION TOOL

March 2018 | Pune, India

Created an application for a real world problem proposed by Government of Delhi to compare two bullets and find similarities in them.

Technology Used: Python, Machine Learning, CNN and OpenCV

### ANGELHACK 2018 | REDACCS

May 2018 | Delhi, India

Link: <http://www.hackathon.io/redaccs>

Developed a mobile app in which user will upload image for the app to check for accident-prone areas from common vicinity images, generates a detailed report and send it to the concerned authorities.

### INOUT 5.0 | THE SOCIAL NETWORK

(Certificate)

October 2018 | Bangalore, India

Link: <https://devfolio.co/submissions/the-social-network>

App for helping you gain skills to communicate properly with professionals.

## AWARDS

2018 Deloitte Innovation Award at SIH 2018 (Certificate)

## OTHERS

### COMMUNITY VOLUNTEER

PyData Delhi | May 2018 (Present)

PyData conferences bring together users and developers of data analysis tools. I made the efforts to manage a crowd of around 280 attendees at the Annual PyData Conference 2018.