

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 to obtain results without any false identification.

Technology Used: Python, Machine Learning, CNN and OpenCV

ANGELHACK 2018 | REDACCS

May 2018 | Delhi, India

Developed a mobile app in which a user can upload the image of an accident happened recently, through which our app will check for accident-prone areas from common vicinity images and mark them. It will automatically generate a detailed report and send it to the concerned authorities.

Technology Used: Python, Kivy Framework, Machine Learning

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 to discuss how best to apply them, to meet evolving challenges in data management and visualization.

I made the efforts to manage a crowd of around 280 attendees at the Annual PyData Conference 2018 where National as well as International Speakers gave novice talks to help the members know more about Data Science.