

Divjeet Singh Jas

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EDUCATION

DELHI TECHNOLOGICAL UNIVERSITY

B.TECH IN INFORMATION TECHNOLOGY

Grad. May 2020 | Delhi, IN
CGPA: 8.20 / 10.0

MOUNT CARMEL SCHOOL

Class 12th, May 2015 | Delhi, IN
Percentage: 89.2%

LINKS

Github:// [singhdivjeet](#)
LinkedIn:// [divjeetsingh](#)

COURSEWORK

UNDERGRADUATE

Artificial Intelligence
Computer Vision
Pattern Recognition
Big Data Analytics
Operating Systems
Algorithm and Design Analysis
Cyber Forensics
Malware Analysis
Computer Networks

SKILLS

PROGRAMMING

Proficient:

• Python • Java

Intermediate:

• C++ • MySQL • MATLAB

Basic:

• HTML • CSS • Js

Familiar:

• Linux • Android • Networking
• Cryptography

FRAMEWORKS

• Pytorch • TensorFlow • Keras
• Hadoop • Git • Plotly

EXPERIENCE

DELHI TECHNOLOGICAL UNIVERSITY | RESEARCH INTERN

Jun 2019 - Jul 2019 | Delhi, IN

- **Static analysis** of existing and new android applications for extracting security-sensitive features using the **Androguard** module of python.
- Classification of malicious applications using deep learning algorithms like graph convolution network using the **Pytorch** library of python.

SPICEJET LTD. | SOFTWARE ENGINEERING INTERN

Dec 2018 - Jan 2019 | Gurugram, IN

- Deployed a **JAR file** on Spicejet server that scheduled a service to send a mail at a particular time while fetching the data from an excel file using Eclipse
- Integrated a **Restful API** (Connected with Remote **MySQL** database) with a login web portal using **Spring Boot**.

PROJECTS

ANDROID MALWARE DETECTION BASED ON VULNERABLE FEATURE AGGREGATION | RESEARCH PROJECT

Nov 2019 - Jan 2020 | Delhi, IN

Worked with **Dr.Kapil Sharma** and devised a **novel** approach to detect Android malware using aggregated permission set of API calls and **machine learning** algorithms. Also created a **web application** called **AndroCOP**, which is a lightweight and robust tool developed for the analysis of the APK file provided as an input by the user and interactively show the results to users.

TWITTER SENTIMENT ANALYSIS FOR CRICKET WORLD CUP 2019

Jul 2019 | Delhi, IN

Analysed Team Reviews on Twitter using Live Streaming API, and classified them on the basis of overall positive and negative percentage reviews using a **lexicon-based** approach in Python.

MOUSELY

Dec 2017 | Delhi, IN

A Utility Application made with **OpenCV** allowing the user to control the cursor with head movements and can perform click events using the blinking of eye.

EXTRA CURRICULAR

2018-2020 President

2018-2020 Director International Services

2019 2nd/20

2018 8th/360

DTU Bhangra

Rotaract Club of Delhi Ashoka

Folk Dance, Miranda House, DU

InCTF 2018, National level cybersecurity competition, Amrita Foundation, Kerala

PUBLICATIONS

[1] A.Roy, D.S.Jas, G.Jaggi, and K.Sharma. Android malware detection based on vulnerable feature aggregation. Procedia Computer Science, 173:345-353, 2020. International Conference on Smart Sustainable Intelligent Computing and Applications under ICITETM 2020