

Harshit Joshi

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EDUCATION

UNIVERSITY OF DELHI
BTECH IN INFORMATION TECHNOLOGY
July 2021 | New Delhi
Cluster Innovation Center
Department Rank: 2
Major Percentage: 87.39%
Cum. Percentage: 85.8%
CGPA: 9.1 / 10

LINKS

Github:// [duskybomb](#)
LinkedIn:// [harshitjos](#)
Twitter:// [duskybomb](#)

COURSEWORK

UNDERGRADUATE

Software Engineering
Intro to AI
Object Oriented Programming
Computational Linguistics
Operating Systems
Computer Graphics
Graph Theory
Statistics and Probability
Numerical Analysis

SKILLS

PROGRAMMING

Over 5000 lines:

Python • C++ • R • \LaTeX

• PyTorch

Over 1000 lines:

Java • ElasticSearch • Matlab
• MySQL • Kafka • MongoDB

Familiar:

Javascript • VueJs

OPEN SOURCE

invoice2data: Core Contributor

invoicex-gui: Author

RESPONSIBILITIES

Student Coordinator

DU Institutions

Innovation Council

External Affairs

#include - CS Society

EXPERIENCE

SUPEDIO GMBH | SDE INTERN

January 2021 - Present | Dresden, Germany

CRONYCLE LTD. | SOFTWARE ENGINEERING INTERN FOR DATA SCIENCE

Jan 2019 – Oct 2019 | New Delhi, India

- Ported batch jobs to live production, latency by 5 minutes.
- Built a new data pipeline to increase RSS data dump by 10%.

GOOGLE SUMMER OF CODE | STUDENT DEVELOPER

April 2018 – Aug 2018 | Remote

- Extracting Data from PDF Invoices and Bills Details using a RegEx Engine.
- Enhanced tesseract-ocr integration and increased code coverage by 16%.
- Developed a PyQt GUI application for three major OS (Linux, MacOS, Windows).

RESEARCH

IIITD - MIDAS LAB | RESEARCHER

May 2020 – Present | New Delhi, India

Working with **Ramit Sawhney** and **Prof Rajiv Ratn Shah** on Suicide Risk Assessment on social media using NLP and data mining techniques.

DEFENCE R&D ORGANISATION (DRDO) | RESEARCHER

May 2019 – October 2019 | New Delhi, India

Worked on navigation of bot in Gazebo environment. Used CityScape Dataset for Image Segmentation and used the features in Gazebo environment, building algorithms for depth perception and creating disparity maps.

CHENNAI MATHEMATICAL INSTITUTE | SUMMER SCHOLAR

May 2019 - June 2019 | Chennai, India

Explored Capital Asset Pricing Model through sliding window technique on high frequency intra-day data, under the guidance of **Prof Rajeeva Karandikar**.

AWARDS

2020	Honorable Mention	COMAP Mathematical Contest in Modeling
2019	Invited Talk	PyData Delhi 19 Conference
2019	National	Mathematical Finance Scholar Summer Fellowship 2019
2018	International	Google Summer of Code 2018
2017	Honourable Mention	ACM-ICPC 2018 (Regionals)

PUBLICATIONS

1. R. Sawhney*, **H. Joshi***, S.Gandhi, and R. R. Shah. PHASE: Learning Emotional Phase-aware Representations for Suicide Ideation Detection on Social Media. In Proceedings of 16th Conference of the European Chapter of the Association for Computational Linguistics 2021 (EACL).
2. R. Sawhney, **H. Joshi**, S. Gandhi, and R. R. Shah. Towards Ordinal Suicide Ideation Detection on Social Media. WSDM'21. Association for Computing Machinery.
3. R. Sawhney, **H. Joshi**, S.Gandhi, and R. R. Shah. A Time-aware Transformer based Model for Suicide Ideation Detection on Social Media. In Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP).