

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

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|------|--------------------|---|
| 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

- R. Sawhney*, **H. Joshi***, R. R. Shah, and L. Flek, 2021. Suicide Ideation Detection via Social and Temporal User Representations using Hyperbolic Learning. In Proceedings of the 2021 Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)
- R. Sawhney*, **H. Joshi***, L. Flek, 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).
- 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).