Harshit Joshi

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EDUCATION

UNIVERSITY OF DELHI
BTech in Information Technology
June 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

SERVICES

Volunteer
EMNLP 2020, EACL 2021, ICWSM 2021 Program Committee
ICML CA2MH 2021

EXPERIENCE

SUPEDIO GMBH | SDE Intern
January 2021 - Present | Remote | HQ: Dresden, Germany
- Developing algorithms for master data management
- Designing core algorithms for the data extraction pipeline.

CRONYCLE LTD. | Software Engineering Intern for Data Science
Jan 2019 – Oct 2019 | New Delhi, India | HQ: UK
- 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***, R. R. Shah, and L.Flek, 2021. Suicide Ideation Detection via Social and Temporal User Representations using Hyperbolic Learning. North American Chapter of the Association for Computational Linguistics (NAACL)

2. R. Sawhney*, **H. Joshi***, L. Flek, and R. R. Shah. PHASE: Learning Emotional Phase-aware Representations for Suicide Ideation Detection on Social Media. European Chapter of the Association for Computational Linguistics 2021 (EACL).

3. R. Sawhney, **H. Joshi**, S.Gandhi, and R. R. Shah. A Time-aware Transformer based Model for Suicide Ideation Detection on Social Media. Conference on Empirical Methods in Natural Language Processing (EMNLP).