Shreyans PANWAR

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SUMMARY

Highly diverse skill set with knowledge of Python, Data Analysis, Design Thinking, and great communication skills. Researcher with work in congestion propagation and Transport Resilience.

EXPERIENCE

LKC Medicine (NTU)
Student Research Assistant   Dec 2022 - May-2023
- Co-authored a Systematic Literature Review on "Effectiveness of creative projects on improvement of the metacognitive skills"
- Refined a search strategy for 5 databases. Conducted PRISMA review on 1391 articles.
- Organized and Conducted six Focus Group Discussions for Y1, Y2 and Y3 medical students.

Research Project Transport Resilience.   February 2024 -Currently
- Researching the relationship between road accidents and road congestion in Singapore.
- Mapping the propagation of congestion after an Accident.
- Using the LTA DataMall which gives 24x7 updates of every road in Singapore.

MAHINDRA LOGISTICS LIMITED   June 2021 – May 2022
Graduate Operations Trainee
- Managed over 30 the Business Associates (Distribution of business & Ensuring On-Time delivery).
- Implemented an algorithm using graph theory to optimize milk run deliveries for the company. New method reduced the total delivery time by ~16%.

EDUCATION

Nanyang Technological University   NTU, Singapore
M.Eng(By Research)   2022 –2024
- Retrieved 500 papers from research databases.
- Organized a clean corpus of them for Topic Modelling.
- Used LDA to conduct Topic Modelling. Further divided them by three Dimensions.
- Three dimensions being Country, Temporal and Journal.
- Created Dendrogram to see the affinities of Topics with different dimensions.
- Sub-Commitee Member of 12th Graduate Student Association (Administration committee)
- Volunteered for TEDxNTU 2022 in operations and logistics division.

National Rail and Transportation Institute   Vadodara, India
BSc (Transportation Technology)   2018 - 2021

- Interned at Indian Railways, Leveraged Blockchain to centralize and digitize the parcel service and reduced end to end TAT by ~20%.
- Interned at Siemens, Market entry study of 12-high density rail routes; projected ~8% profits in Indian market for Siemens, Competitive benchmarking of Siemens vs Indian Railway locos in 10+ metrics: brake, efficiency, speed etc., Hypothesis testing on 5+ factors affecting passenger comfort using Multi Criteria Decision Making.

ADDITIONAL INFORMATION

Languages: Hindi (Native), English (Fluent).
Technologies: Microsoft Office, Tableau, C++, Python (scikit-learn, NLTK).
Volunteer Work: Volunteer work for Youth Corps Singapore and Team NILA.
Interests: Chess, Cooking.