

SHUBHRA SRIVASTAVA

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EDUCATION

Year	Degree	Institute	GPA/Marks
Ongoing	MS in Cyber Security	GATECH	
2015	M.Tech in Telecommunication Technology	IIT Delhi	8.9/10

EMPLOYMENT

Epifi, Lead Software Engineer

Mar 2020 - 2023

- **Designed and Built Financial Search System** : Built a financial search system for natural language queries using state of the art methods. Tech stack - grpc, golang, elasticsearch, huggingface model
- Designed continuous model deployment pipeline using mlflow, jenkins.

Dunzo, Senior Software Engineer - 2

Mar 2018 - 2020

Worked on improving relevance of dunzo search results

- **Built ranking framework** : Enabled multiple signals to be used for ranking search results on dunzo app. Created popularity, merchant-score, user-score signals which led to 5% improvement in metric Search-to-Click ratio. Tech stack - golang, django admin, postgres
- **Added a language model based query classifier** to classify search queries into categories. Which is used to rerank relevant results higher. Also increased relevance for spell mistaken queries by adding phonetic search.
- Improved CTR from 22% to 56%. Tech stack - python, elasticsearch, node js, aws kinesis – lambda

Dunzo, Software Engineer

- **Built service to index and maintain search database**. All the stores in dunzo are created (or updated) through this system, the service has features of detecting a possible duplicate store. Tech stack - django DRF, mongodb, elasticsearch, aws kinesis - lambda

Bloomreach, Member of Technical Staff (Bengaluru, India)

July 2015 - 2018

Auto-generate high click rate theme pages.

- **Spike detection** : Developed alert system for spikes in ongoing data values using k-means clustering.
- **Theme-ranking with language model** : Compute the probability of a theme being typed by user in a search
- **Automation of QA with ML** : Used convolutional networks to predict relation score of an image and text.
- **Tech stack** : Java, Python, Play, Scala, Cassandra, Solr, Qubole, Keras, CNN.

KEY MS PROJECTS (GATECH)

- Detect ddos, syn-flood attacks in network dump file (Network Security)
- Break 1024 bit RSA encryption (Introduction to Info Security)
- Malware Analysis in Ghidra (Advance Malware Analysis)