

Harshit Singhai

SOFTWARE ENGINEER

☎ (+91) 9560948115 | ✉ harshitsinghai77@gmail.com | 🏠 fictionally-irrelevant.vercel.app | 📱 [harshitsinghai77](https://www.linkedin.com/in/harshitsinghai77) | 📺 [harshitsinghai](https://www.youtube.com/channel/UCv33333333333333333333) | 🐦 [@harshit_78](https://twitter.com/harshit_78)

Education

Bennett University

Delhi NCR, India

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING (CSE) - 7.98 GPA

Aug. 2016 - Aug. 2020

- Main coursework: Data Structures and Algorithm, Artificial intelligence, Machine Learning, Database, Cloud Computing, Big Data.

Work Experience

Deloitte USI

Gurugram, India

DATA ENGINEER @DELOITTE USI - STRATEGY AND ANALYTICS - ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING

Feb. 2022 - Ongoing

- Streamlined batch processing ETL processes across billions of rows of data which reduced manual workload by a monthly 65%
- Maintained data pipeline up-time of 99.8% while ingesting streaming and transactional data across 7 primary data sources using Spark, Python, Glue, Athena, and S3
- Data optimization initiatives resulting in a 62% reduction in job run time, enabling the business to extract insights from the data more quickly.
- Worked closely with the analyst team and various stakeholders to translate business needs into technical solutions.

Cliff.ai by Quantive

Indore, India

SOFTWARE ENGINEER - PLATFORM

Aug. 2021 - January 2022

- Reduced memory usage and improved speed of two micro-services by 40% and 60%, respectively, resulting in a more efficient system.
- Implemented a scalable, fault-tolerant architecture utilizing Kafka, Elasticsearch, Clickhouse, MongoDB, MySQL, producer-consumer architecture, and parallel processing, resulting in better performance and reliability.

Deepsource

Bengaluru, India

SOFTWARE ENGINEER - MACHINE LEARNING

December 2020 - June 2021

- Designed and implemented ML pipeline for automatic training, re-training, and deployment of 50k+ ML models.
- Implemented an XGBoost-based recommendation system to effectively rank relevant issues for each repository.

MLH Fellowship - BentoML

Remote, India

OPEN SOURCE CONTRIBUTOR

Oct 2020 - Dec 2020

- Contributed to BentoML (<https://github.com/bentoml/BentoML>)

Finshots/Ditto Insurance

Bengaluru, India

SOFTWARE ENGINEER INTERN (6 MONTHS)

Jan. 2020 - June. 2020

- Developed the user-interface for both web app and mobile app (Android and iOS) using React, React Native, Redux and Typescript, resulting in a responsive and user-friendly interface that enhanced the user experience

Programming Skills

Server Side

Python, Go, Node.js, FastAPI, Django, Celery, REST API

Database

SQL/NoSQL, PostgreSQL, MySQL, MongoDB, AWS DynamoDB, Redis

Machine Learning

Scikit-Learn, Pandas, Data Analytics, Deep Learning, TensorFlow, Keras, Kubeflow, MLOps

Data Engineering

Apache Airflow, Spark, PySpark, AWS Glue, S3 data lake, Glue Data Catalog, EMR, Athena, Hive, Presto, SQL, Tableau

Other

AWS, Docker, Kubernetes, Git, Problem Solving, Data Structures Algorithms

Projects

Projects Showcase

Side Project

LIST OF ALL THE SIDE PROJECTS I'VE SHIPPED.

Jun. 2021 - Ongoing

- <https://fictionally-irrelevant.vercel.app/posts/side-projects-2022>

Accomplishments & Awards

2023 **Cohort Lead**, of the Deloitte AI Academy Explorer program.

Deloitte, USI

2022 **Award for outstanding performance or innovation**, recognized for delivering outstanding client results.

Deloitte USI

2019 **Mentored sophomore students in Python**, by providing guidance on fundamentals, aiding in assignment completion, and conducting labs and tutorials.

Bennett University