

Harshit Singhai

SOFTWARE ENGINEER

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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.

Programming Skills

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

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

Machine Learning Scikit-Learn, Data Analytics, Keras, Kubeflow, MLOps

Data Engineering Spark, PySpark, Pandas, Airflow, AWS Glue, S3, EMR, Athena, Hive, Presto, SQL, Tableau

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

Work Experience

Deloitte USI

Gurugram, India

DATA ENGINEER - 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.
- 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 stakeholders to translate auditing business needs into technical solutions.

Cliff.ai by Quantive

Indore, India

SOFTWARE ENGINEER - PLATFORM

Aug. 2021 - January 2022

- Achieved 40% and 60% reduction in memory usage and improved speed for two micro-services, enhancing system efficiency.
- Implemented scalable, fault-tolerant architecture using Kafka, Elasticsearch, Clickhouse, Celery, and MySQL.
- Utilized producer-consumer architecture and parallel processing for better performance and reliability.

Deepsources

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 and mobile applications (Android and iOS) using React, React Native, Redux, and Typescript.
- Resulted in a responsive and user-friendly interface that enhanced user retention by 30%.

Projects

Projects Showcase

Side Project

REMOTE

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