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.

Work Experience

Deloitte USI   *Gurugram, India*

DATA ENGINEERING @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   *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*

MACHINE LEARNING ENGINEER INTERN (6 MONTHS) - PLATFORM   *December 2020 - June 2021*

- Designed and implemented ML pipeline for automatic training, re-training, and deployment of 50k+ ML models.
- Utilized XGBoost for training and developed recommendation system for ranking 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*