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 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 20% reduction in memory usage and 30% decrease in run time for two micro-services, enhancing system efficiency.
- Develop, optimize, and maintain data pipelines that process ingested KPIs to generate actionable insights for the user.
- Introduced producer-consumer architecture and parallel processing for 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 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*