

NIHAR GHARAT

Software Developer, History Enthusiast
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Education

University of Texas at Arlington

MS in Computer Science, 3.875 GPA

Jan 2022 - Dec 2023 (expected)

Graduate Teaching Assistant, Data Mining(Dr. Elizabeth Diaz)

Jan 2023 - May 2023

University of Mumbai

B. E in Electronics and Telecom, 7.25 CGPA

Sep 2013 - May 2017

Experience

SDE Summer Intern, FedEx, Plano, Texas

May 2023 - Present

- Part of printAndGo product team, modernized legacy application to new Java based cloud native microservice app, based on spring boot. Authored part of **database api**, and external **REST** api development.
- Hands-on experience in working with Jenkins for CiCd, Insomnia for api testing, JUnit for testing.
- Involved in various activities like planning, task allocation, and actual development. Ensured quality with test driven development(TDD).

Senior Product Engineer, LnT infotech, Pune, India

Apr 2018 - Aug, 2021

- Designed and developed **REST APIs** on Java for services like connector and scanner service; developed **data parsers(connectors)** for various sources like **RDBMS** systems (**Postgres, MySql, Hive, SqlServer, Snowflake, etc.**); **file** formats like **xlsx**, delimited, **sas7bdat**, **json**, **xml**; **NoSql** like **mongoDb**; and **crm** platforms like **Salesforce**.
- Worked on **cloud connectors** like **Azure Blob**, **Amazon S3**, **GCP**; with a major focus on **Azure Blob**.
- Improved performance of **Xlsx** data parser by **~50%**, by identifying bottlenecks in **Apache Poi** implementation. Designed, implemented, and **maintained** new features like **range read**, **streaming** read, etc. for **xlsx** connector.
- Developed **bash scripts on Linux** for doing **automated performance benchmarking** for various connectors for **Spark** on **K8S**.
- Designed and developed functionality like **upsert** for **RDBMS** via **spark**, **mongoDb** authentication.
- Researched the feasibility of a connector for **Google Drive**. Developed a **POC** to demo the integrated functionality.
- Worked on **other technologies** like **Docker**, **Kubernetes**, **Azure Blob**, **Amazon S3**, **Sftp**, **Spring boot**, **CI/CD**, **Snowflake**, **SonarQube**, **ElasticSearch**. Strong experience in **Linux**, with **Ubuntu** as the choice of development OS.
- Contributed to maintenance and enhancement of **Spark** cluster processing for about 15 connectors.

Personal Projects

Google review scraper using Selenium ([Github link](#))

Developed a **python** project for scrapping google reviews for apartments to judge which review is genuine/fake(WIP). The project used **selenium** for scraping.

YouTube playlist backup

Designed and implemented a project to periodically backup youtube playlists to circumvent loss due to copyright strikes. The project is written in **Java8**, performs multithreaded http requests, parses the html response, and stores the necessary data pulled in **xlsx** format. **Cronned** and **dockerized** the project to run periodically(every Wednesday).

Gym Workout Recommender ([Github link](#))

Designed and implemented a capstone project which will recommend a workout based on users previous history of workouts, profile, preferences, etc. The project was a part of capstone academic project for Machine Learning, written in **python3**, feature engineering in **pandas**, neural network on **Keras**.

Skills

Java, Python, C, SQL, Bash, Javascript, CSS, Docker, Kubernetes, Azure Blob, Amazon S3, GCP, Sftp, Spring boot, CI/CD, MySql, Snowflake, PostgreSQL, MongoDB, SonarQube, Spark, Git, Github, Gitlab, Ubuntu, Jupyter Notebook, VsCode, Eclipse, Idea, IntelliJ, PyCharm, Sublime3, Keras, Tensorflow, Pandas, React, NextJS, TailwindCSS