

MOHAMED SY

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TECHNOLOGIES

Javascript, Python3, Java, React, SQL, Cypress, Express, SpringBoot, Maven, PostgreSQL, MongoDB, HTML, CSS, Tailwindcss, Node.js, Git, GitHub, Figma, TypeScript, DSA, OOP, snowflake, dbt-cloud, ETL & ELT process, OWASP

EXPERIENCE

API-bench | [GitHub](#) | Cypress, TypeScript, CSS

December 2023 - Ongoing

Contributed to a framework for testing rest-APIs and websites for changes in response times to detect performance changes in code quickly and simply.

- Contribute to open source projects hosted on GitHub, manage pull requests and code reviews.
- Designed the UI, enhanced functionality, and performed debugging with Cypress automated testing. Expanded website accessibility using TypeScript.

ELT-pipeline-Olympic | [GitHub](#) | Python3, React, Streamlit, Snowflake, DBT-cloud

August 5 - August 16 2024

Employed the ELT process with multiple CSV files loaded into a Snowflake Warehouse, transformed using dbt Cloud, and visualized using Streamlit to uncover trends in participation and performance.

- Ingest, and reconcile Olympic datasets, ensuring data integrity and consistency across multiple sources.
- Demonstrated the use of a Large Language Model to convert natural language questions into SQL queries, enabling efficient data retrieval and analysis from a SQL database.

Tenant Voice | [GitHub](#) | Javascript, React, Express, Knex.js, SQL, Cloudinary

April 2024 - May 2024

Developed a web app for NYCHA housing residents to publicly advocate about their housing issues, improving public housing quality through transparent reporting and collaborative problem-solving.

- Architected an ERD and developed RESTful API supporting full CRUD operations and robust error handling.
- Integrated Cloudinary to enhance storage capabilities by efficiently storing user-uploaded pictures.
- Utilized Knex.js for SQL query building and database migrations, ensuring data integrity and consistency across the application.

WORK EXPERIENCE

JP Morgan Chase Emerging Leaders Program - Bronx, NY

November 2020 – January 2021

Intern

- Orchestrated classes with JP Morgan executives through The Emerging Leaders Program, enlightening students on Business, Finance, and Real Estate career paths.
- Coordinated a team of 5 peers to craft a global-centric proposal for a JFK terminal, guided by a JP Morgan Chase leader.
- Presented our terminal proposal to industry professionals in a "shark-tank" style, integrating expert feedback to refine and improve our project's scope and implementation.

MetaBronx - Bronx, NY

July 2020 - August 2020

Intern

- Spearheaded social media campaigns during a summer internship, crafting engaging advertisements aimed at promoting language learning through various platforms.
- Utilized Canva to generate compelling social media advertisements, gaining valuable skills in content creation throughout the internship.

EDUCATION

Software Engineering Fellowship - The Marcy Lab School

September 2023 - August 2024

- Complete 2,000 hours of coursework in web development, CS fundamentals, and leadership development
- Develop proficiency in HTML/CSS, JavaScript, Python, NodeJs, ReactJs, and Git.

