# Tashrif Apon

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## EDUCATION

**CUNY Baruch College**, Mathematics BA                                                                 Jan. 2022 – Sept. 2024
**Coursework:** Data Structures • Algorithms • Object Oriented Programming • Data Science
**Minor:** Communication

## TECHNICAL SKILLS

**Programming Languages:** Python • JavaScript • SQL • HTML • CSS • Power Fx • C++ • C# (.NET)
**Libraries & Frameworks:** Flask • SQLAlchemy • Selenium • nltk • BeautifulSoup • numpy • scipy • pandas • json
**Tools:** VS Code • Azure DevOps (MS TFS) • Jupyter Notebook • DB Browser • GitHub
**Databases:** MS SQL • SQLite • NoSQL • MS Lists

## WORK EXPERIENCE

**NYC AG, LLC**                                                                                            Staten Island, NY (Remote)
*Data Engineer Contractor*                                                                                 Aug. 2024 – Jan. 2025
- Developed an automated **data mining SaaS**, increasing data output approaching **200%** and saving **$12K+** yearly
- Improved **ETL** process by implementing advanced data validation techniques, improving **data accuracy** by **40%**

**NYC Department of Health and Mental Hygiene**                                                            Long Island City, NY
*Backend Software Engineer Intern*                                                                         Aug. 2024 – Dec. 2024
- Created complex **MS SQL** database structures via **T-SQL** for **50K+** records to save **$2M+**
- Optimized backend logic to reduce **SQL** database server calls by **50%** and **C#** function calls by approximately **88%**
- Automated ETL process for **625K+** datasets via **Selenium** and **Python**, saving developers **~9** weeks or **$15K+**
- Documented **C#** implementation upon reviewing **2K+** lines of code in **Azure DevOps** to assist features integrations
- Designed **7** UI/UX proposals using **HTML, CSS,** and **Bootstrap** to enhance user experience

**Metropolitan Transit Authority**                                                                        Bronx, NY
*Full Stack Software Engineer Intern*                                                                      Sept. 2023 – Jun. 2024
- Led full stack **CRUD** development of in **PowerApps** and **1 microservice SharePoint** site to digitize workflows
- Architected innovative **ETL** system via **REST APIs** involving **3 MS Lists** databases and **1 relational database** to enforce user authentication and real-time data tracking, ensuring data governance
- Automated Outlook notifications in **PowerAutomate** to boost team efficiency and maintain accountability
- Debugged and documented **Power Fx** code to deliver production grade software and aid future maintenance

**Skillfully**                                                                                            San Francisco, CA (Remote)
*Technology Consultant Extern*                                                                             Jun. 2023 – Aug. 2023
- Applied **Agile** methodologies to improve the **SDLC** via structured project planning

## PROJECTS

**Interactive Resume** | *Python, Flask, JavaScript, HTML, CSS, JSON, NoSQL, REST APIs*                    Feb. 2025 – Present
- Built an interactive resume to track user activity and serve dynamic content via **DOM manipulation**, increasing site visits by **108%** and gaining commendation from professionals in Staffing, Venture Capital, Consulting and FinTech
- Integrated engagement analytics via **2 REST APIs**, offering actionable feedback for continuous improvement

**Islamic Midnight Calendar** | *Python, Flask, jinja2, HTML, CSS, JSON, NoSQL, REST APIs*                 2023 — Present
- Refactored codebase for modularity, eliminating **190** monthly updates, reducing maintenance by a near **100%**
- Mined **360+** external records via webhooks and generated **17%** more data into document database called by **API**
- Optimized backend algorithm from $O(n)$ to $O(1)$ to reduce latency by up to **1197%** and frontend code by up to **97%**

**LPAedu** | *Python, Flask, jinja2, HTML, CSS, SQLite, SQLAlchemy, NoSQL*                                 Jan. 2023 – Apr. 2024
- Built an exam-taking platform for **50+** users to take exams with **50+** questions and view their performance metrics
- Incorporated **OOP** and remodeled **2 database schemas** and **NoSQL** databases to accelerate the **SDLC**
- Implemented **SQLAlchemy ORM** (Object-Relational Mapping) to prevent **SQL** injections
- Debugged directory and database errors to restore website accessibility
- Led **2** junior programmers to reduce individual workload by **67%** through the use of **GitHub** and Markdown files