Jay Mukeshkumar **Shah**

jay.shah02999@gmail.com| (774)-476-1087 | Arlington, Texas | linkedin.com/in/jay-shah-39821616b/ | jay9711.github.io/jayshah.github.io

EXPERIENCE

Software Development & Engineering Intern, Charles Schwab, Westlake, Texas   *Jun 2023 - Aug 2023*

- Migrated Client services libraries from internal to **EMOST**, aiding in the creation of a new environment capable of password-free authentication.
- Worked on Researching and documenting for the PAT team ensuring it would be simpler for them to utilize, understand and use the new **Authentications** methods developed by different teams.
- Participated in various Technical, success skills and professional development workshops hosted by intern academy.

Graduate Research Assistant, University of Texas at Arlington, Arlington, Texas   *Feb 2022 - May 2023*

- Graduate Research Assistant for the office of enrollment management and Admissions.
- Duties: Leading a team of eight employees, **delegating tasks and providing training**, which increased call-taking efficiency by 14% producing productivity reports, managing, and taking part in various call campaigns. **Teaching new hires** about customer support and office cloud services.

TECHNICAL SKILLS

Programming and Technologies: C#, .NET core, Python (Pandas, Matplotlib, Sklearn, PyTorch), JavaScript, HTML5, CSS3, PL/SQL, MYSQL, PHP.

Tools and Cloud Services: AWS, MySQL, NoSQL (Aerospike), Redis Cache, Confluence, Visual Studio, JIRA, Git (Bitbucket, Github), Bamboo, JSON, REST, AWS, Azure.

IDE: PyCharm, Visual Studio Code, MS DOS, Atom.

EDUCATION

Master of Science, Computer Science   *Jan 2022 - Dec 2023*
University of Texas at Arlington, TX, United States   GPA: 3.6
Bachelor of Technology, Computer Science & Engineering   *Aug 2017 - May 2021*
Gujarat Technological University, India   GPA: 3.5

PROJECTS

NLP - Sentiment analysis of phrases/reviews – **University of Texas at Arlington**

- Built and implemented Several machine learning project to analyze the reddit comments data set and create a model that will predict to categorize whether the review falls in a predetermined label.

Data Analysis & Data Retrieval Performance Optimization using Redis – **University of Texas at Arlington**

- A Flask online application that analyzes any data set, imports it into an Azure SQL database, and allows users to query the data using a web interface. Using Redis, I also measured and optimized the application's performance for data retrieval.

Search engine using Azure Cloud Services – **University of Texas at Arlington**

- A Flask Web Application that searches based on words or word combination to find relevant documents that are on azure cloud. The search result identifies a document by name and where in that document that is found. Achieved efficient time complexity.

Art gallery Web application – **University of Texas at Arlington**

- A Flask Web application which was built keeping in mind art galleries, artists, artworks, payments, customers, states etc. Depending on their interest user could fetch, update, or delete data.
- We also implemented methodologies on how to Design, Create and Maintain Database. Along with using PyFlask, HTML, CSS, and JavaScript for front-end web development and functions, we also incorporated supporting capabilities that would only select specific data with constraints that might aid in data analysis.

Sports Club Management System – **University of Texas at Arlington**

- Implemented software that saved all client information in a database accessible through MYSQL. Java keeps track of members' m memberships and informs them about upcoming events and subscription expiration of memberships also stored information about checking in and out.
- Also, using React and JAVA, I designed an interactive front end that displayed the clock in and clock out times of members. The admins used this to monitor machine wear and tear and Time club maintenance.

ACHIEVEMENTS AND EXTRA-CURRICULARS

- I have a couple of blogs on Medium for data science and Also have YouTube video describing the basics of the Project