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.
- Developed efficient **Parsing Methods** for transitioning file uploads from a server-based system to **Aerospike**, resulting in streamlined data processing and improved performance.

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.

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.