

Jay Mukeshkumar Shah

Software Developer | Python Developer

Email: jay.shah02999@gmail.com

Phone: (774)-476-1087

LinkedIn: [linkedin.com/in/jay-shah-39821616b/](https://www.linkedin.com/in/jay-shah-39821616b/)

CAREER OBJECTIVE

To work in a challenging and creative environment and to obtain a position that promotes self-learning and professional Development while making positive Contributions for the Institution.

EDUCATION

- **University of Texas, Arlington – Master's in Computer Science- 3.8/4** **Dec 2022 – Aug 2023**
[Courses: Design & Analysis of Algorithms, Data Analysis and Modelling techniques, Database Systems, Advanced Database Systems- Cloud computing, Artificial Intelligence, Machine Learning, Software Engineering –I, Computer Networks]
- **Bachelor's In Computer Engineering – Gujarat Technological University – 8.91/10** **Aug 2017 – Jun 2021**

SKILLS

Programming Languages	: Python (Pandas, Matplotlib, PyFlask, Tkinter), JAVA (JSP, Hibernate, SpringBoot)
Web Technologies	: HTML, CSS, React, JAVASCRIPT, PHP, WordPress, XML
Web Services	: JSON, APIs
Cloud Technologies	: AZURE, AWS (Amazon Web Services)
Database Technologies	: SQL, MySQL, PLSQL, MongoDB
IDE	: Visual Studio Code, PyCharm, MS Dos, Atom
Operating Systems	: Windows, Linux, iOS
Version Controllers	: GIT, GITHUB

WORK EXPERIENCE

- **Admissions Assistant Intern, University of Texas at Arlington – Office of Admissions** **Feb 2022 – Present**
• Student 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.
- **Back-end Developer Intern, Infotrex Services Pvt. Ltd, Ahmedabad, Gujarat** **Jan 2021 – Mar 2021**
• Studied tests and understood code for a web-application on a customer's book selling portal. Interacted with customers for requirement analysis & Updates on database design. Additionally, during the following months, I did my coding work on server- side configuration with PHP along with some front –end technologies like HTML, CSS. Then finalized it with testing and deploying code to the website.

TECHNICAL PROJECTS

- **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' 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.
- **Fit. Ai – Gujarat Technological University**
• Developed a one-step portal for all Fitness and Diet Domains. A web application which utilizes google fit data and implemented graph on that JSON data to help user understand and analyze their consistency in weeks, months, and years using WordPress.
• Our website showed some of the quick recipes and exercises videos that the user could follow. Deployed our website on AWS.

ONLINE COURSES / CERTIFICATION

- **Pro Bootcamp Python – Udemey**
• This course helped me in learning NumPy, Tkinter, SQLite, Plotly etc. and making different projects using these technologies.