ABHIJEET RATHOD

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EDUCATION

University of Texas Arlington   **Arlington, Texas**
MS in Computer Science   *Graduation Date: Dec 2022*

Gujarat Technological University   **Surat, Gujarat**
BE in Computer Engineering   *Graduation Date: May 2019*

WORK EXPERIENCE

The University of Texas Arlington   **Arlington, Texas**
Graduate Teaching Assistant   *Aug 2021 - Dec 2022*

- Facilitated supervision of regular website updates for six months which yielded a 20% decrease in technical errors.
- Spearheaded implementation of three software to optimize video editing process, resulting in a 10% time reduction.
- Assisted as Graduate Teaching Assistant to deliver quality lectures, providing guidance on student projects.

SM Technologies Solutions   **Surat, Gujarat**
Software Developer   *Jan 2020 - Nov 2020*

- Delivered a Java and rest API backend application to issue e-challans, reducing traffic violations by 10%.
- Developed full-stack application using Java, Spring Boot, React & Node.js to generate an additional $10k in revenue.
- Engineered multiple Python scripts to scrape data for the data team which improved analysis accuracy by 20%.

Divine IT Hub   **Ahemdabad, Gujarat**
Software Developer intern   *May 2019 - Dec 2019*

- Coordinated implementation of various Inventory Management System versions, optimizing performance by 6%.
- Mentored 4 interns in 2 projects using Jira & Git version control, resulting in successful project completion.
- Streamlined bug-fixing process through analyzing code and debugging applications to improve efficiency by 30%.

PROJECT EXPERIENCE

University of Texas Arlington   **Arlington, Texas**
Immigrant's Portal (HTML5, CSS, SQL, React, Node)   *Aug 2021 - Nov 2021*

- Created Immigrant Portal with 4 distinct user roles & advanced features, using HTML5, CSS, SQL and React.js; resulted in 25% increase of immigration registration.
- Designed & innovated dashboards for admins, super-admins and visitors and lead a 3-person team.
- Engineered system to enable immigrants to explore portal seamlessly; achieved 100% uptime over a 6 month period.

University of Texas Arlington   **Arlington, Texas**
Store Optimization (Python,, R, NumPy)   *Feb 2021 - Apr 2021*

- Analyzed 20,000+ grocery store transactions to improve shelf-stocking, resulting in 50% increase of efficiency.
- Developed automated data cleansing system for 5K unique entries & items to reduce manual labor by 30%.
- Leveraged Python/R/NumPy languages on Grocery Store Dataset to optimize product placement and sales potential.

Personal Project   **Arlington, Texas**
Jobx android application portal (Java,Adroid)   *Aug 2022 - Nov 2023*

- Developed a job portal app utilizing Java, Android, Firebase database to simplify candidate and employer search processes.
- Enabled users to filter search results by location and job role while providing the ability to upload resumes & other documents with an estimated 40% user growth rate.
- Integrated MVC architecture with API for optimized scalability resulting in over 50 monthly active users on the application.

LEADERSHIP EXPERIENCE

Book Chapter   **Texas**
Prediction of depressive symptoms   *May 2022 - Sep 2022*

- Wrote a book chapter on predicting depressive symptoms using various machine learning algorithms, which will be published in the book "Cognitive Sensors" in 2023.
- Contributed to a project that aims to predict depression symptoms using 3-methods, including facial recognition, audiovisual datasets, and textual analysis, utilizing various classifiers.

University of Texas Arlington   **Arlington, Texas**
International peer advisor   *Aug 2021 - Sep 2021*

- Volunteered as an international peer advisor at the University of Texas, assisting incoming international students with orientations, and also lead orientations, providing guidance and support throughout the process for Fall 2021 batch.

CERTIFICATIONS

- AWS Fundamentals: Going cloud-native, Technical support fundamentals from Google, Learning Java.

SKILLS & INTERESTS

Programming Languages: Python, Java, JavaScript, C, Go, Android, Swift.
Web Technologies: NodeJS, Express.js, ReactJS, HTML, CSS, Bootstrap, REST APIs.
Cloud Technologies: Amazon Web Services (EC2, RDS, S3, Security Groups), Docker, Source Control (Git), Automation Unit Testing (JUnit, PyUnit, Mocha, Postman, Microsoft Azure Data Studio, Google Cloud Storage, Heroku,Visual Studio.
Others: SQL (MySQL), NoSQL (MongoDB), Windows, Unix/Linux, Object-oriented programming, software development life cycle, Software Design patterns, Agile Development method, Pytorch, Design Programming, Front end development, React native, Back-end development, Teamwork, Empathy, Database Design, Problem Solving.