

MOHIT KULKARNI

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Education

The University of Texas at Arlington | *GPA 3.333*

Jan 2022 - Dec 2023

Masters in Computer Science

Arlington, TX

Relevant Coursework

- | | | | |
|----------------------|---------------------------|----------------------------|-----------------------|
| • Database Systems | • Design and Analysis | • Machine Learning | • Web Data Management |
| • Data Analysis and | Algorithms | • Software Engineering and | • Cloud and Big Data |
| Modelling Techniques | • Artificial Intelligence | Management | • Distributed Systems |

Experience

UTA Lead Student Assistant - Guest Services Libraries

Oct 2022 - Dec 2023

UTA Libraries (Awarded as Outstanding Student Assistant 2023)

Arlington, TX

- I fostered a welcoming environment by engaging warmly with a diverse audience, proactively addressing their needs, and educating them about library and campus resources to enhance academic success.
- Managed circulation of materials, including books and lendable technology. Offered tours to guests and assisted with orientations as needed
- Enhanced the overall user experience and promoted a culture of learning and discovery. Fostered strong relationships with users and colleagues alike.

Core2Web Technologies

Dec 2018 - Mar 2019

Software Engineer Intern

Pune, MH

- * Developed a desktop application for a virtual assistant using cutting-edge technologies such as AI, ML, NLP, Image Processing, Cloud Computing, and AR.
- * Specialized in image processing for tasks such as digitizing medical records, facial recognition, and audio/video recognition, while creating a Python-based project that offers updates related to health, travel, and entertainment.

Technical Skills

Languages: SQL, React, Laravel, NoSQL, Python, Java, C/C++, HTML/CSS, JavaScript, PHP, Bash, GoLang, SQLite, phpMyAdmin, MySQL, MongoDB

Developer Tools and Libraries: MongoDB, Apache, VS Code, Eclipse, Google Colab, GitHub, Android Studio, Numpy, Pandas, NLP, Image Processing, TensorFlow, Tesseract, Pytorch, Keras

Cloud Services: Amazon Web Services, Map Reduce, Scala, Terraform, Hive, Jenkins, CI/CD

Operating Systems: Windows and Linux

Projects

UTA FurniFind website | *React, PHP, JavaScript, HTML/CSS, Figma, Bootstrap*

December 2023

- * Spearheaded the conception and development of FurniFind, a user-friendly application designed to revolutionize furniture selection for students. Recognizing the pivotal role of suitable furniture in student life, the application empowers users to discover furnishings that align with their specific needs.
- * Prioritized user experience by leveraging React for a responsive and intuitive interface. Incorporated PHP, JavaScript, HTML/CSS to create a robust and scalable application.

Terrazas Complex website | *React, PHP, JavaScript, HTML/CSS, Laravel, Bootstrap* mk1021.uta.cloud

May 2023

- * Designed and Developed a React based web application to manage Terrazas de Guacuco, a large residential complex with 367 units, 2 pools, gardens, tennis courts, walking trails, and 24-hour security.
- * The application enables the coordination of multiple managers and requires visitors to register their visit, providing driving instructions and GPS coordinates. The application is user-friendly and responsive, providing an intuitive interface for managing complex operations.

OCR for detecting Medical Reports | *Python, ResNet, TensorFlow, Pytorch, AWS, Docker, Jenkins*

August 2022

- * Developed precise character recognition for medical records using CNN algorithms. Automated database schema migration with Python and SQL for improved data management. Leveraged AWS services (RDS, Lambda, S3) for cloud-based data management.

Arlington Art Gallery | *MySQL, phpMyAdmin, Apache, AWS, Docker, Jenkins*

January 2022

- * Initially set up a database using MySQL and phpMyAdmin, importing data from a CSV file. Later, migrated the database to AWS RDS for improved scalability and security. Containerized the migration process with Docker for consistent execution.
- * Implemented automated testing for schema changes and data integrity. Then integrated Jenkins for CI/CD, reducing manual work. Achieved significant downtime reduction during schema updates, enhancing system reliability.