

Wasey Mulla

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EDUCATION

The University of Texas at Dallas

Masters in Science in Computer Science, Track: Artificial Intelligence

Richardson, TX

Aug. 2023 – May 2025

The University of Texas at Dallas

Bachelor of Science in Computer Science

Richardson, TX

Aug. 2019 – May 2023

TECHNICAL SKILLS

Languages: Java, C++, Python, JavaScript, HTML, CSS

Technologies: Apache Kafka, React, React Native, Git, GitHub, Jupyter Notebook, Flask, Tkinter, Tailwind, Expo, Node.js

Database: MongoDB, SQLite, MySQL

ML/Data Science Libraries: NumPy, Pandas, PyTorch, Matplotlib, SciPy, Scikit-Learn, TensorFlow, Keras

EXPERIENCE

INMO.AI - Machine Learning Engineer Intern

May 2023 – August 2023

Austin, TX

- Designed and deployed a Gradient Boosting Regression model to analyze home buyers' data and predict mortgage rates with high accuracy.
- Reduced the error rate of the mortgage rate prediction model by 10% through optimization and fine-tuning of hyperparameters.
- Utilized Apache Kafka for real-time data streaming, ensuring seamless integration between microservices and high availability.
- Containerized microservices using Docker, improving deployment efficiency and system reliability.

Atticus Capital - Software Engineering Intern

May 2022 – August 2022

Minneapolis, MN

- Designed an investment portfolio mobile app, transforming Figma mockups into a user-friendly interface with consistent design principles.
- Managed the development of a cross-platform mobile application using JavaScript, React Native, Tailwind, and Expo, enhancing performance for a smooth and responsive user experience.
- Integrated the mobile app with APIs for real-time data updates, enabling users to access and update content seamlessly.
- Integrated MongoDB with the application to efficiently store and manage vital user investment information, maintaining data integrity and accessibility.

PROJECTS

SnapMath: The Image-Powered Equation Solver

April 2024 – May 2024

- Developed a Convolutional Neural Network (CNN) capable of understanding handwritten numbers to solve mathematical problems.
- Achieved 95% accuracy in interpreting handwritten mathematical symbols, variables, and operators using OCR technology integrated with CNNs.
- Implemented a robust equation-solving framework with Python, TensorFlow, Keras, SymPy, and visualization libraries.

University Graduate Office Degree Planning & Audit Tool

January 2024 – March 2024

- Improved advisor response rate by 80% through a user-friendly web application, streamlining degree planning and auditing for UTD Graduate CS students.
- Enhanced efficiency by implementing a document scraper for transcript data extraction and automated audit report generation.
- Utilized HTML, CSS, JavaScript, PHP, SQL, and jsPDF for full-stack development, ensuring speed and accuracy in degree evaluations.
- Currently used as an internal tool for current advisors at the university, expediting degree evaluations.