Mutasim Chowdhury

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Education

Georgia Institute of Technology   **Aug 2020 - May 2024**
Computer Science   Master of Science
3.9 GPA

University of Texas at Dallas   **Aug 2016 - May 2020**
Computer Engineering   Bachelors of Science

Experience

Gusto   **May 2022 - Aug 2022**
Full Stack Software Engineer Intern   San Francisco, CA

- Engineered a partner developer **REST** API in **Ruby on Rails** backend with **Sidekiq** to automate demo company generation, boosting onboarding efficiency by 50%
- Collaborated with over **10** partner developers to define API functionalities and produce comprehensive design documentation
- Integrated the demo company API into a **React**+**TypeScript** Developer Portal frontend, streamlining onboarding flow testing and demo company creation

Argo Data   **May 2019 - Aug 2019**
Software Engineer Intern   Richardson, TX

- Eliminated **JavaScript** security vulnerabilities in teller payments software ensuring reliability for over 100 million daily transactions
- Modernized UI/UX in **HTML/XSL** to ensure standardized look and feel across ARGO products

Projects

Taurscribe   **June 2024 - July 2024**

- A realtime audio translation desktop application with live subtitles built on **Tauri** and **Whisper** ML models

Rust, Huggingface, FastAPI, Tauri, Python, NextJS, TypeScript, LLM, Transformers

q3p LLC   **Sept 2016 - Current**

- Collaborated with renowned music and gaming entities reaching **100M**+ as a proactive consulting agency
- Spearheaded the creation and upkeep of Discord bots using Python, catering to over **500k** daily active users

Python

IRIS   **Aug 2019 - May 2020**

- A crosswalk assistance system for the elderly, visually-impaired built on computer vision and haptic feedback
- Implemented **TensorRT** optimized **YoloV3** for pedestrian detection with 99% accuracy within 20 meters, improving safety and detection speed by 50%.
- Designed conditional GPIO signal toggling on the Jetson TX2 SoM to inform vehicles about pedestrian presence

C, Python, TensorRT, DL, ML

Skills

Python, JavaScript, TypeScript, React, Ruby on Rails, Rust, C/C++, PyTorch, FastAPI, NumPy, SQL, Figma, Unity, MongoDB, Git