TAHMID IMRAN

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EDUCATION

The University of Texas at Dallas Master of Science, Computer Science, GPA: 3.934 May 2023

The University of Texas at Dallas Bachelor of Science, Computer Science, GPA: 3.987 May 2022
Graduated Summa Cum Laude

TECHNICAL SKILLS

- Languages: Java, Python, JavaScript, HTML/CSS, C, C++, C#, and SQL
- Technologies: Django, Express.js, React/Redux, Node.js, Spring Boot, Flask, Next.js, and Laravel
- Tools: AWS S3 and Elastic Beanstalk, Azure Dev Ops, Docker, Heroku, and Netlify

WORK EXPERIENCE

Software Engineer Intern, Microsoft – *Redmond, WA* May 2022 – August 2022

- Worked for the Windows Service and Delivery organization under the Packaging Interfaces team
- Transitioned payload calculation logic for static Windows Update Packages from an OnPrem to an Azure-based solution which reduced static package submission times from an average of 12 minutes to 13 seconds (98.19% decrease in time)
- Implemented the new logic using C# in a domain-driven design and utilized XUnit to integrate Unit Testing for the feature
- Leveraged Azure Dev Ops, CosmosDB, and Azure Functions to deploy the feature into the existing packaging pipeline

Software Engineer Intern, JPMorgan Chase & Co. – *Plano, TX* June 2021 – August 2021

- Implemented a Virtual Assistant for the financial advisors of JPMC Asset Wealth Management to troubleshoot database issues and verify client details; reduced time for an issue to be resolved by 95% (from an average of 4 hours to 10 minutes)
- Leveraged Spring Boot to build the REST API that parses user input to run database operations and to store user conversations; Spring Boot enabled the use of HTTP Sessions, allowing for multiple chats to run concurrently and securely
- Utilized Google's AIML library to write chat dialogues that prompt the advisors with questions about an ongoing issue

Software Developer, Atticus Capital – *Minneapolis, MN* January 2021 – August 2021

- Led the development of the Client Portal using Express.js, MongoDB, React, and Google OAuth that handles client registration and client portfolio management; filled the role as a project manager for two interns during the summer
- Implemented a LinkedIn Slack Bot to alert employees of a new Atticus post and a Twitter Slack Bot that notifies the Investment Analyst team of news regarding the stock market that could affect current and future client investments

Software Developer Intern, HTB Information Systems – *Dallas, TX* May 2020 – September 2020

- Developed many backend features on a job search website including a job filtering system, graphs with visitor data, email notifications for new job applicants, and a candidate system allowing employers to handpick their favorite applications
- Designed the home page to welcome users with a more appealing look, redesigned the job cards on the search page, added a help page with HTBIS's contact information and a FAQs section, and integrated more sections into the admin portal

LEADERSHIP

Head of Technology/Co-Founder, FinTech UTD January 2021 – May 2022

- Developed the website for FinTech UTD using React and Tailwind which has an integrated Google form for applications
- Sampled technology and data analysis projects to plan and design CometVisor, an application for users to access their personal financial statements and utilize an automated investment platform that includes robo-advisors and trading bots
- Led a group of three members to develop the backend and integrate with the frontend for the CometVisor application

PROJECTS

Convex Hull Algorithm Visualizer – *Computational Geometry Project*

- Visualized Convex Hull algorithms using React and TailwindCSS**;** animated and explained steps of the various algorithms
- Implemented, compared, and analyzed three different algorithms: Graham's Scan, Jarvis's March, and Chan's Algorithm

Clasico (Soccer Analyzer) – *Personal Project*

- Utilized matplotlib, pandas, and numpy to analyze and compare two players/teams; displayed the results to a React frontend
- Implemented an API using Django REST that caches player/team data in a sqlite3 database to be used for the analysis
- Leveraged AWS S3 and boto3 to store graphs from matplotlib; containerized the app with Docker and deployed to Heroku