# Milaan Dahiya

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## EDUCATION

**University of Texas at Austin**                                         May 2024
*GPA: 3.1 / 4.0 – Bachelor of Science in Computer Science, Minor in Entrepreneurship*

## EXPERIENCE

**Southern Methodist University**                          Jun. 2023 – Aug. 2023
*Data Science Intern*                                                  *Dallas, TX*
- Simulated a real dance studio with Intel RealSense depth cameras in Nvidia Omniverse
- Tested different camera configurations in Omniverse to optimize the real world camera configuration
- Created a custom program using the Intel RealSense library to sync and record from multiple RealSense depth cameras simultaneously

**IBM**                                                    Jun. 2022 – Aug. 2022
*Backend Developer Intern*                                             *Austin, TX*
- Maintained Kubernetes operator code for the CloudPak for Watson AIOps product
- Patched Kubernetes clusters to test changes to reconcilers, custom resources, ConfigMaps, and more
- Optimized CI/CD pipeline in Travis CI, automating developer workflows and speeding up build times by 100%

**Adonis Auto Group**                                      Jun. 2021 – Aug. 2021
*Software Engineer Intern*                                          *Arlington, TX*
- Custom front-end in React for iDMS, Adonis's current Dealer Management Software, through iDMS APIs
- Worked with the dealership collections team on-site to build the front-end around their workflow
- Improved collections agents' workflow efficiency by 30%

## PROJECTS

**Capitol Capital** | *React, Flask, Node.js, Nginx, Docker, MySQL, AWS*
- Website to track over 500 politicians' stock holdings and committee membership
- Data accessible via RESTful API made in Flask
- Dockerized frontend and backend hosted on AWS EC2 instance

**Algotrader** | *Python, pandas, Docker, Coinbase API, TD Ameritrade API*
- Python program to trade securities and cryptocurrency
- Derived alphas based on technical analysis and price indicators
- Generated automatic reports with the summary of trader's daily performance, outperformed S&P 500 by 50% in 6 month timeframe

**Golgos DMS** | *AWS, Node.js, Express.js, MySQL, TypeScript, React*
- Full Dealer Management System to help automobile dealerships with inventory, customers, and more
- User interface built using React and Material UI framework
- Serverless web application hosted on AWS Amplify
- RESTful API deployed on AWS Lambda to retrieve data from a MySQL database with customer/vehicle info

## HONORS AND AWARDS

**OpenAI Codex Challenge Top 500 Prize Winner (over 5,000 contestants)**

**Certified Microsoft Technology Associate in Python and Java**

## SKILLS

**Languages**: Java, C, Python, Go, TypeScript/JavaScript, MySQL, HTML/CSS
**Libraries**: React, Tensorflow, pandas, NumPy
**Frameworks**: Nginx, Node.js, Express.js, Material UI React
**Tools**: Git, Shell, Linux, Kubernetes, Docker, AWS, Microsoft Office, Adobe Suite