Abdul Wadood Syed

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EDUCATION

Computer Engineering (BEng)
Toronto Metropolitan University

09/2018 - 06/2024   *Toronto, Ontario*

WORK EXPERIENCE

Software Engineering Intern
Gia Health - Social Ventures Zone Startup

01/2023 - Present   *Toronto, Ontario*

Achievements/Tasks

- Developed a secure and reliable authentication system by leveraging Auth0 and JWT.
- Lead the development and deployment of the web infrastructure for Gia Health's MVP.
- Collaborated with CTO to break a monolithic backend application into microservices using Kubernetes and GRPC.

Software Engineering Intern
Andie.Work

01/2021 - 05/2021   *Toronto, Ontario*

Achievements/Tasks

- Created a mobile responsive, web based dashboard using HTML5, CSS3, Javascript (React and Redux)
- Integrated Stripe API with React Native based Mobile App for payment processing.
- Troubleshooted backend and frontend issues; assisting in solving architectural design challenges.

Overnight Security Guard
Ontario Science Center

12/2021 - Present

Achievements/Tasks

- Monitored 30+ rooms via cameras and utilized several security appliances to detect and prevent potential security threats in the Ontario Science Center.
- Responded to telephone inquiries, and provided quality customer service to OSC Staff and Customers.

SKILLS

SQL   React Native   Assembly Programming

Java   OOP   NextJS   ReactJS   Javascript

AWS   GRPC   Docker   JIRA   NextUI

MongoDB

PERSONAL PROJECTS

Posture Classifier (09/2022 - 12/2022)

- Researched different sitting posture parameters to find the best choice to assess poor posture.
- Employed multiple pose estimation and TensorFlow's PoseNet library to generate the dataset.
- Trained the Convolutional Neural Network with generated dataset to create a model for posture assessment. The model obtained an accuracy of roughly 87% for labeling proper and improper posture.

FoodCrew - 2nd Place SDZ Food Insecurity Case Competition (03/2023)

- Developed a solution to tackle food insecurity on campus and to provide culturally appropriate and sustainable food to those who need it most.
- Worked in an interdisciplinary team to develop the initial idea, business model and technical prototype.
- Leveraged figma to prototype the initial design of an accessible mobile app designed to tackle food insecurity.

CERTIFICATES

AWS Certified Solutions Architect (03/2023 - 03/2026)

AWS Certified Cloud Practitioner (10/2022 - 03/2026)

Complete Web & Mobile Designer in 2023: UI/UX, Figma, +more (05/2023 - 05/2023)