

Eshaan Chaudhari

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EDUCATION

McMaster University

Bachelor of Engineering
Software Engineering and Management

Hamilton, ON
Graduated 2024
GPA: 3.5/4.0

EXPERIENCE

Manulife

Data Engineer – Platform Team

Toronto, ON

June 2025 - Present

- Built 20+ Jenkins pipelines using Terraform to provision Azure resources (Key Vault, ADLS, Web Apps, Cosmos) with THR-compliant networking and security practices through VNets, NSGs, Private Endpoints, and RBAC
- Standardized pipeline setup using a centralized Groovy-based shared library to manage authentication with az cli and shared environment configuration across pipelines to help with consistent provisioning
- Built tower standup automation to provision pre-configured Azure resource groups with networking and access controls, reducing setup time for new projects and help deliver infrastructure faster

Manulife

Full Stack Software Engineer

Toronto, ON

June 2024 – June 2025

- Built and shipped front-end features in React and back-end APIs in C# (.NET) for client-facing web apps
- Investigated and resolved production issues using Devo and New Relic, reducing recurring defects to under 1%
- Designed and developed a new client-facing web app using React micro front-ends and Node.js microservices
- Conducted Azure security compliance checks, configured cross-cluster proxy access, and optimized Redis caching to reduce memory usage and improve data consistency

Ciena

Software Engineer Intern

Ottawa, ON

May - Aug 2021, May - Aug 2022

- Built a real-time notification system for networking applications using Java and Spring with Kafka
- Developed new back-end features for RESTful APIs and microservices using OOP in a distributed system
- Fixed production defects, documented features and supported end-to-end delivery from planning to release

Software Automation Developer Intern

Sept 2020 - Apr 2021

- Developed test automation for microservices using JavaScript and Postman with TeamCity for CI/CD
- Built a Node.js tool to visualize service dependencies, enabling efficient QA testing on affected services
- Automated pull request validation in Python and built a reusable graph library for internal tools

Helping Hands

Software Developer Intern

Mississauga, ON

July – Aug 2019

- Led the redesign and implementation of a new UI for the application, rebuilding 90% of the front-end in React
- Translated UI designs into production-ready React components with refined visuals and user experience

PROJECTS

GazeTracker (Capstone Project)

- Collaborated with psychology researchers to develop a browser-based gaze estimation plugin in JavaScript using jsPsych, enabling real-time on-device gaze tracking without specialized hardware or video uploads
- Built a real-time gaze estimation pipeline using face detection model, a custom-trained neural network to predict 3D gaze vector, and a runtime-trained regression model for user-specific calibration, achieving 30 FPS
- Trained lightweight CNN models using PyTorch, deployed with ONNX for real-time on-device inference, built a calibration UI to collect data for a local regression model and achieved angular error of less than 3 degrees

SKILLS

Languages

Python, JavaScript, TypeScript, C#, Java, SQL, Bash

Frameworks

React, Angular, Node.js, Express.js, .NET, Spring Boot, PyTorch, Flask

Web Technologies

HTML, CSS, REST APIs, WebSockets, JSON, GraphQL, gRPC

Tools & Platforms

Git, Azure, AWS, Docker, Jenkins, Kafka, Redis, MongoDB, Postman, Snyk, NumPy

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals (AZ-900)

Aug 2023