

Keerthan Devera

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Education

York University

Sept 2022 – Aug 2026

Honours Bachelor of Science, Computer Science

Toronto, ON

- **Leadership & Roles:** Python Developer – YUBlueprint; Blockchain Developer – Blockchain @ Lassonde; Instructor – Science Engagement Programs (SEP)

Professional Experience

Technology Intern – QE Tools Team

Sep 2025 – Dec 2025

Tangerine (Scotiabank)

Toronto, ON

- Implemented end-to-end test automation using **WDIO**, **Selenium**, and **Appium** for UI testing in **TypeScript**, and **Karate / Rest Assured** for API automation in **Java**.
- Built and maintained fulfillment and backend test services using **Java Spring Boot** with **SQL** databases, while leveraging **Python** for reporting, dashboards, and internal tooling.
- Adopted **GCP** with **GKE/Kubernetes** for cloud-based test environments, containerized workflows with **Docker**, and managed pipelines through **Jenkins** for CI/CD execution.

Blockchain Developer Intern

June 2025 – Aug 2025

BlockseBlock

Hyderabad, India

- Worked on **smart contract development** using Solidity for Ethereum-based projects.
- Built and tested **decentralized applications (dApps)** to demonstrate blockchain use cases.
- Used tools like **Web3.js** and **Git** to integrate blockchain layers with web applications.

STEM Education Specialist

May 2023 – Aug 2024

York University - Science Engagement Program

Toronto, ON

- Led collaborative engineering projects and simulations using **Python** and **MATLAB**, modeling structural integrity and applying real-world engineering principles.
- Designed and delivered curriculum to grades 7–12 covering **full stack web development** (HTML5, CSS3, JavaScript), **Object-Oriented Programming in Java and Python**, and foundational **C/C#** with Arduino.

Projects

Eco-Map Hack the Valley Winner | GPT API, Google Maps API, Node.js, Express.js, MongoDB

- Built a real-time customer support chatbot using the **GPT API with Google Maps integration**.
- Designed and implemented backend with **Node.js** and **Express**, managing user queries through **MongoDB**.
- Providing optimized routes and used **Postman** to test API endpoints

YorkU Blockchain Blog | TypeScript, React.js, PostgreSQL, Figma

- Designed and deployed a blog platform for YorkU's Blockchain Association, delivering newsletters and blockchain updates.
- Implemented SSR with **React DOM**, styled using **Tailwind**, and connected to a **PostgreSQL** database.
- Collaborated with student contributors to publish technical posts and community updates.

AWS Cloud Infrastructure | AWS EC2, Lambda, RDS, S3, Route53, CloudWatch, IAM

- Building a fully functional cloud infrastructure stack on **AWS**, including networking, compute, and storage layers for a mock application deployment.
- Automated provisioning of **EC2 instances**, **RDS backups**, and **S3 lifecycle**, **AWS Lambda for automation**
- Idea is to configure **Route53 public/private zones** and health checks to simulate DNS failover and routing policies.

Technical Skills

Languages: Python, Java, TypeScript, JavaScript, SQL, HTML/CSS

Frameworks & Libraries: React.js, Node.js, Express.js, Spring Boot, JUnit

Test Automation: WDIO (WebdriverIO), Selenium, Appium, Karate, Rest Assured, Postman, GitHub Actions

Cloud & DevOps: GCP (GKE, Cloud Run, Cloud SQL), AWS (EC2, Lambda, S3), Jenkins, Git

Databases: MongoDB, PostgreSQL, SQL Server

Productivity: Microsoft Excel, PowerPoint, Word, SharePoint, VS Code, IntelliJ, PyCharm