

# Keerthan Devera

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## Education

<b>York University</b> Honours Bachelor of Science, Computer Science	Sept 2022 - Aug 2026 Toronto, ON
<ul style="list-style-type: none"><li><b>Leadership &amp; Roles:</b> Python Developer – YUBlueprint; Blockchain Developer – Blockchain @ Lassonde; Instructor – Science Engagement Programs (SEP)</li></ul>	

## Professional Experience

<b>Technology Intern – QE Tools Team</b> <i>Tangerine (Scotiabank)</i>	Sep 2025 – Dec 2025 Toronto, ON
<ul style="list-style-type: none"><li>Implemented end-to-end test automation using <b>WDIO</b>, <b>Selenium</b>, and <b>Appium</b> for UI testing in <b>TypeScript</b>, and <b>Karate / Rest Assured</b> for API automation in <b>Java</b>.</li><li>Built and maintained fulfillment and backend test services using <b>Java Spring Boot</b> with <b>SQL</b> databases, while leveraging <b>Python</b> for reporting, dashboards, and internal tooling.</li><li>Adopted <b>GCP</b> with <b>GKE/Kubernetes</b> for cloud-based test environments, containerized workflows with <b>Docker</b>, and managed pipelines through <b>Jenkins</b> for CI/CD execution.</li></ul>	
<b>BlockChain Developer Intern</b> <i>BlockseBlock</i>	June 2025 – Aug 2025 Hyderabad, India
<ul style="list-style-type: none"><li>Worked on <b>smart contract development</b> using Solidity for Ethereum-based projects.</li><li>Built and tested <b>decentralized applications (dApps)</b> to demonstrate blockchain use cases.</li><li>Used tools like <b>Web3.js</b> and <b>Git</b> to integrate blockchain layers with web applications.</li></ul>	
<b>STEM Education Specialist</b> <i>York University - Science Engagement Program</i>	May 2023 – Aug 2024 Toronto, ON
<ul style="list-style-type: none"><li>Led collaborative engineering projects and simulations using <b>Python</b> and <b>MATLAB</b>, modeling structural integrity and applying real-world engineering principles.</li><li>Designed and delivered curriculum to grades 7–12 covering <b>full stack web development</b> (HTML5, CSS3, JavaScript), <b>Object-Oriented Programming in Java and Python</b>, and foundational <b>C/C#</b> with Arduino.</li></ul>	

## Projects

<b>Eco-Map</b>   Hack the Valley Winner   GPT API, Google Maps API, Node.js, Express.js, MongoDB	
<ul style="list-style-type: none"><li>Built a real-time customer support chatbot using the <b>GPT API with Google Maps integration</b>.</li><li>Designed and implemented backend with <b>Node.js</b> and <b>Express</b>, managing user queries through <b>MongoDB</b>.</li><li>Providing optimized routes and used <b>Postman</b> to test API endpoints</li></ul>	
<b>YorkU Blockchain Blog</b>   TypeScript, React.js, PostgreSQL, Figma	
<ul style="list-style-type: none"><li>Designed and deployed a blog platform for YorkU's Blockchain Association, delivering newsletters and blockchain updates.</li><li>Implemented SSR with <b>React DOM</b>, styled using <b>Tailwind</b>, and connected to a <b>PostgreSQL</b> database.</li><li>Collaborated with student contributors to publish technical posts and community updates.</li></ul>	
<b>AWS Cloud Infrastructure</b>   AWS EC2, Lambda, RDS, S3, Route53, CloudWatch, IAM	
<ul style="list-style-type: none"><li>Building a fully functional cloud infrastructure stack on <b>AWS</b>, including networking, compute, and storage layers for a mock application deployment.</li><li>Automated provisioning of <b>EC2 instances</b>, <b>RDS backups</b>, and <b>S3 lifecycle</b>, <b>AWS Lambda</b> for automation</li><li>Idea is to configure <b>Route53 public/private zones</b> and health checks to simulate DNS failover and routing policies.</li></ul>	

## 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