

Abhishek Paul

Toronto, ON | abhishek.paul@torontomu.ca | +1 (437) 234-9744 | linkedin.com/in/abhi-she-k | github.com/Abhi-she-k

Education

Toronto Metropolitan University (Formerly Ryerson University)

2021 – 2026

Honours Bachelor of Science in Computer Science, Co-op

Toronto, ON

- **Relevant Courses:** Data Structures and Algorithms, Operating Systems, Discrete Structures

Skills

Programming and Scripting: Powershell, Bash, Python, SQL, HTML/CSS, JSON, C

Frameworks: Node.js, Express.js, Flask, Spring Boot, Bootstrap

Software and Tools: Azure, Azure DevOps, AWS, MSSQL, Git, Docker, Kubernetes, CI/CD Pipeline, Postman, PowerBI

OS: Linux (Ubuntu, RHEL, Debian), Windows (7,10,11), Windows Server (2016, 2019, 2022)

Experience

Automation Developer (Co-op)

Sep 2024 – Present

Ministry of Public and Business Service Delivery and Procurement

Toronto, ON

- Developed automations leveraging PowerShell, MSSQL and Azure Resource Graph to identify 2000+ resources impacted by upcoming Azure feature retirements. Consulted with clients to assess impact and implement mitigation strategies, ensuring seamless transitions and minimizing disruptions to production applications.
- Assisted with Azure VM patching compliance by resolving 50+ break/fix issues through eSMT. Analyzed internal logs to find patterns in Linux and Windows VMs, enhancing overall system reliability
- Collaborated on a project to upgrade 80+ Azure Kubernetes clusters. Researched risks and implemented automated solutions for continuous upgrade support. Assessed and implemented planned upgrades using CRQs, improving application support.
- Consulting with clients regarding inquiries about Azure resources, including issues, failures, and configurations, ensuring clear communication and minimizing downtime for timely issue resolution.
- Assisted the team to create PowerShell automations for various compliance projects, minimizing manual effort.
- Developed detailed documentation for scripts and processes to improve clarity and streamline knowledge transfer.
- Mentored and assisted co-op students with team workflows and tasks, ensuring smooth onboarding

Solutions and Smart City Analyst (Co-op)

Sep 2023 – April 2024

City of Brampton

Brampton, ON

- Developed automated testing scripts using Python, Selenium, and Postman for web applications, covering 200+ scenarios. Reduced reliance on manual testing and cut test times by 40%.
- Led a team of 4 co-op students to manage testing and automation projects, ensuring deadlines were met.
- Conducted multiple comprehensive regression testing cycles with 500+ test cases for city-wide POS and permit platforms, ensured seamless integration of updates and delivered stable, reliable software.

Projects

Hoop Stats | Python, JavaScript, Azure, Docker, MySQL, Azure DevOps

- Developed an API ("Hoop Stats") using Python libraries Beautiful Soup and Pandas to scrape and process live data from Basketball-Reference.com, displaying all data in a Node.js web app.
- Deployed and containerized the app using Docker, with both the Node.js app and MySQL server hosted on Azure.
- Configured firewall rules to restrict access between the API and the database, ensuring secure communication.
- Created a CI/CD pipeline with Azure DevOps, streamlining build, test, and deployment. Deployed a personal agent on a server to efficiently handle job execution and triggers.

Spotify-Stats | Javascript, Express.js, Azure, Docker, HTML/CSS

- Built a music stats app that utilizes the Spotify API to display users' top artists, top tracks, and recently played content across various time frames.
- Created an Express server that processes API GET and POST requests, formatting the data for the front end.
- Set up automated alerts for high CPU usage, failed requests, and downtime via email, using Azure Log Analytics for troubleshooting and Azure Logic Apps to automate resource deallocation.

Gramm.AI | Java, JavaScript, Spring, Bootstrap, OpenAI

- Built an AI-powered text editing platform using OpenAI's GPT-Turbo-3.5, providing grammar correction, paraphrasing, and professionalization to enhance writing quality and productivity.
- Utilized Spring controllers and OOP principles to build a reliable back end, enabling efficient API calls to OpenAI.