

Sumiksh Trehan

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[Linkedin](#) | [Github](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Versatile Software Developer and Data Analyst with a career defined by the intersection of high-performance code and scalable data architecture. My professional journey is rooted in building user-centric mobile features and integrated Adobe Analytics at CIBC within Agile teams, followed by driving operational efficiency at Claret Asset Management through the migration of legacy SSIS workflows to robust Python ETL pipelines and Azure Cloud environments. This evolution is underpinned by a strong technical foundation in managing mission-critical networks, Cisco Firewalls, and POS infrastructure at Canada's Wonderland. By combining full-stack development expertise with data-first engineering mindset, I specialize in building automated, end-to-end solutions that turn complex technical challenges into streamlined, data-informed business outcomes.

WORK HISTORY

Canadas Wonderland, IT Technician Vaughan, Ontario

October 2025-Present/Mar 2022-May 2024

- Maximized system uptime by managing Active Directory permissions and documenting troubleshooting workflows in Confluence to resolve JIRA service tickets.
- Maintained 2,000+ POS endpoints by providing full-cycle hardware and software support, ensuring zero-latency retail operations across the network.
- Hardened network security by configuring Cisco Firewalls and managing Access Control Lists (ACLs) to mitigate unauthorized traffic and external threats.

Ontario Public Services (TBS Branch), Junior Programmer Co-op Oshawa, Ontario

Jan 2025-Apr 2025

- Improved reporting speed by 85% by engineering a Python script (Selenium/Pandas) to automate data scraping and Excel generation, saving 20 minutes of manual labor per report.
- Reduced system defects by performing end-to-end functional testing on 4+ government tax/dental workflows and resolving logic issues via daily vendor standups.
- Streamlined vendor software alignment by serving as the Technical SME for Ontario Government programs, providing logic clarifications to ensure system compliance.

CIBC, Android Developer Co-op Toronto, Ontario

May 2024-Aug 2024

- Boosted user retention potential by developing and deploying a Kotlin-based gamification pilot in the mobile app, allowing users to earn points through in-app engagement.
- Enabled data-driven product decisions by integrating Adobe Analytics to capture and track real-time user behavior and feature performance metrics.
- Accelerated Agile delivery cycles by managing user stories and defects in JIRA while maintaining comprehensive sprint and role-management documentation in Confluence.
- Reduced team onboarding time by authoring detailed environment configuration and role-management guides, ensuring seamless setup for new developers.

Claret Asset Management, IT Specialist Montreal, Quebec

Jun 2022-Jan 2023

- Saved 8+ hours of weekly labor by engineering Python ETL scripts with Selenium to automate the scraping and storage of 250+ documents into a MySQL database.
- Modernized legacy infrastructure by migrating SSIS workflows to Python, significantly improving system scalability and long-term maintainability.
- Optimized system reliability by troubleshooting and refactoring existing C# automation scripts, resulting in enhanced stability for core operational processes.
- Facilitated Azure Cloud migration by collaborating with cross-functional business teams and vendors to transition on-premises workloads to the cloud.

- Ensured 100% data integrity for an Angular-based onboarding application by providing backend database support and real-time record synchronization.

TECHNICAL SKILLS

- Programming Languages: Python, Java, SQL, HTML, JavaScript
- Frameworks & Tools: NextJS, React, Kotlin, Flask, Django, Node.js, Git, Azure Data Factory, CI/CD pipelines
- Databases: MS SQL Server, PostgreSQL, Snowflake, MongoDB
- Data Analytics & BI: Power BI, Tableau, Excel (Pivot Tables, Power Query), Data Visualization
- Testing & QA: Unit Testing, Regression Testing, Functional and Performance Testing
- SDLC Methodologies: Agile, SCRUM, Test-Driven Development (TDD)
- Cloud & Deployment: Azure, Docker, Accelerator pipeline (CI/CD), Linux

PROJECTS

Web Portfolio | [Vercel](#) | [GitHub](#)

May 2024

Built a modern, theme-aware portfolio using Next.js, Tailwind CSS, shadcn/ui, Vanta.js and Three.js. The portfolio features a responsive landing page with an animated profile photo, a global dark/light theme toggle, and interactive portfolio cards. Integrated a chatbot UI for resume-related Q&A and a dynamic navigation bar with pages for Home, About, and Experience. The theme adapts automatically based on user preference.

Technologies: Next.js, Tailwind CSS, shadcn/ui, next-themes, JavaScript

Pill Scheduler | [Youtube](#) | [GitHub](#)

Sep 2025

Engineered a medication tracker using Next.js 15, Firebase, and Gemini 2.5 Flash for AI visual pill verification. Integrated RxCUI identifiers to fetch real-time drug precautions and interactions. Implemented Firestore sub-collections for data isolation, a debounced search engine, and a responsive UI with NextAuth.js and Lucide.

Technologies: Next.js, Firebase (Firestore/Auth), Gemini AI API, Tailwind CSS, Lucide React, NextAuth.js, JavaScript

Fragments Application | [Github BE](#) | [GitHub FE](#)

Apr 2024

Architected a full-stack cloud app using Node.js, Express, and React for fragment management with AWS Cognito and JWT security. Utilized S3 for storage, DynamoDB for metadata, and EC2 for deployment, featuring GitHub Actions CI/CD and Jest testing.

Technologies: Node.js, Express, React, AWS Cognito, AWS S3, DynamoDB, AWS EC2, GitHub Actions, Jest, React Bootstrap

Sports Motion Detection and Tracking | [Github](#)

Jan 2025

Developed a Python and OpenCV pipeline to track motion in sports footage via frame differencing and viewport tracking. Programmed custom algorithms to highlight moving objects and generate annotated analysis videos.

Technologies: Python, OpenCV

EDUCATION

Honours Bachelor of Technology Software Development

Jan 2023-Aug 2025

Seneca Polytechnic – Toronto, ON

Diploma Computer Programming

Jan 2020-Jan 2023

Seneca Polytechnic – Toronto, ON

Diploma Electrical Engineering

Jan 2015-Jan 2017

Georgian College – Barrie, ON

CERTIFICATIONS

- AWS Solutions Architect- In Progress
- LinkedIn- Data Engineering on AWS, Power BI Data Dashboards, Introduction to Spark SQL and DataFrames, Azure Spark Databricks Essential Training, Learning Apache Airflow
- DataCamp- Object-Oriented Programming in Python, Introduction to Python