ARYAN KUCKREJA

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EDUCATION

Western University **London, ON**
Bachelor of Engineering Science (BESc), Software Engineering *Sep 2024 - Apr 2028*
Relevant Coursework: Algorithms & Data Structures, Software Design, Software Construction, Database Management Systems, Web Technologies, Discrete Structures, Scripting Programming Languages
Activities: Attended the Business 1299 Case Competition, Western University

Upper Canada College **Toronto, ON**
International Baccalaureate (IB) Diploma *Sep 2022 - Jun 2024*

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL (T-SQL, DDL/DML), C#, HTML/CSS
Web & APIs: REST & GraphQL APIs, Node.js (serverless functions), Flask, Spring Boot, OAuth 2.0, Playwright, Figma
Data & Cloud: Azure SQL, Microsoft Azure, ETL pipelines (SSIS, Qlik Replicate), Power BI, Git / GitHub, Vercel, Linux (CLI)
Platforms & Practices: Microsoft Power Automate, Copilot Studio, LLM agents and model evaluation, Agile / Scrum, UAT

WORK EXPERIENCE

Black & McDonald Limited **Thornhill, ON**
Business Integration Management & PMO Intern *May 2026 - Aug 2026*
- Built a Copilot Studio agent deriving 8 JD Edwards work-order fields from 96K rows of Azure SQL via Power Automate flows.
- Integrated SharePoint and Excel with the monday.com GraphQL API via 2 production flows, ending manual project-data entry.
- Designed a 9-check nightly SQL verification job (CTEs, window functions) flagging billing errors before invoicing.
- Diagnosed a total API outage to a newline in an Authorization header, isolating it by minimal-request elimination in a day.
- Rebuilt NPS scoring inside the integration layer after proving the source platform's formula columns return null via its API.
- Ran a three-model comparison on a fixed test set, rejecting a model that fabricated a rate under test.
- Partnered with business and IT stakeholders to translate ticket requirements into IT solutions, presenting findings to leadership.

Black & McDonald Limited **Thornhill, ON**
BI & Application QA and Support Intern *May 2025 - Aug 2025*
- Validated Power BI reports against source data with SQL analysis, documenting reconciliation logic for stakeholder sign-off.
- Tracked UAT defects through the ReportsNow to Power BI migration across production ETL pipelines (Qlik Replicate, SSIS).
- Contributed to an Azure AI pilot deploying a vision model detecting utility-pole placement from site imagery.

Retirement Residence Web Platform **Uxbridge, ON**
Web Developer *May 2026 - Present*
- Built and shipped a production 8-page site on Vercel with a GitHub-backed CMS, replacing a legacy WordPress deployment.
- Architected a PR-gated publishing pipeline: staff form to a Node serverless function opening scoped pull requests.
- Integrated GitHub OAuth across 3 serverless functions and end-to-end tested the publish flow with Playwright.
- Replicating the platform across 6 residence properties on a shared architecture, admin layer and content template.
- Diagnosed production issues across CMS path resolution, OS-level reduced-motion settings, and hosting deploy limits.

Spirit of Math Schools **Toronto, ON**
Teaching Assistant *Sep 2021 - Jun 2024*
- Supported lesson delivery, classroom management, and preparation of learning materials for classes of 20+ students.
- Provided one-on-one support, monitored student progress, and communicated learning gaps to instructors.

LEADERSHIP & CO-CURRICULARS

SOAR Investment Management **London, ON**
Student Fund Manager *Sep 2025 - Present*
- Manage a ~$10,000 student-run investment portfolio using bottom-up fundamental analysis (DCF, comps, DDM, regression).
- Lead monthly portfolio reviews to evaluate active positions and screen 20+ companies for potential investment opportunities.

Western Institute of Electrical and Electronics Engineers (IEEE) **London, ON**
Technical Member *Sep 2025 - Present*
- Produced technical documentation and project deliverables using MATLAB, LaTeX, and PCB design tools.
- Explored AI/ML applications in embedded systems, robotics, and IoT through hands-on project development.

Western Formula Racing (WFR) **London, ON**
Design & Analysis Team Member *Sep 2024 - Apr 2025*
- Created SolidWorks models and ran simulations to improve aerodynamics, suspension geometry, and chassis strength.
- Applied mechanical design and analysis principles to optimize vehicle performance under competition constraints.