

Aarya Shah

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🌐 aaryashah.me

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EXPERIENCE

University of Toronto Machine Intelligence Student Team ... Finance Director Jul 2025 - Present, Toronto, CA

- Implemented policies to ensure compliance and risk management.
- Oversaw organizational budgeting and financial operations for the university's machine intelligence team, managing funding from university grants, sponsorships, and internal revenue.
- Planned and executed the development of scalable financial infrastructure, including automated tracking systems for expense reporting, budget forecasting, and reimbursements.

University of Toronto ... Undergraduate Researcher May 2025 - Aug 2025, Toronto, CA

- Led a collaborative research project on photothermal water purification using wood biochar monoliths (WBM), advancing sustainable, solar-powered water treatment technologies.
- Developed hands-on expertise in experimental design, materials characterization, and data analysis.
- Presented research findings at the UNERD Undergraduate Research Conference, honing scientific communication skills, and contributing to innovations in clean water access.

University of Toronto Aerospace Team ... Liquid Propulsion Member Sep 2025 - Present, Toronto, CA

- Conducted material cost optimization and sustainability analyses by evaluating nitrogen-fixing alternatives through simulation-based assessments, adhering to aerospace safety standards.
- Collaborated cross-functionally with avionics and structures teams to ensure system-level integration of propulsion components with broader architecture.

Conscious JA ... Co Founder and CFO Sep 2023 - Aug 2024, Toronto, CA

- Budgeted and allocated funds to departments to achieve company goals using Microsoft Office.
- Oversaw and delegated the company's financial duties.
- Generated over \$2000 in net profit, establishing a 254% ROI, surpassing our break-even goal by 176 units, and donating 5% profits to Miles Ahead, and formed partnerships with local shops.
- Represented Conscious in award interviews, helping to win Company of the Year, the CSR award and Best Advertisement Awards.

Parks Canada ... Compliance Student Sep 2023 - Aug 2024, Toronto, CA

- Collected, organized and assessed data to propose trends and advancements.
- Collaborated with a team to conduct active foot and vehicle patrols to ensure park safety regulations were followed.
- Developed document writing and incident reporting skills.

SUMMARY

Innovative, curious, and solution-oriented Engineering Science student at the University of Toronto with interests in aerospace, robotics, and quantitative finance. Seeking Spring and Summer 2026 internships

SKILLS

Tools: Python, C/C++, HTML, CSS, JavaScript, Linux (Red Hat), Docker, Kubernetes, AutoCAD, Ansys, Matlab, LaTeX, RISC-V Assembly, SystemVerilog, SQL, Cybersecurity, Powershell
Soft Skills: Leadership, Interviewing, Research, Mathematical Modelling, Interpersonal, Business + Financial Management, Problem Solving

EDUCATION

University of Toronto Toronto, CA
Bachelor of Applied Science + Engineering
- Engineering Science, Minor in Engineering Business

Achievements

- French Concours D'art Oratoire
- Principal's Award for Student Leadership
- Academic Achievement Award
- UofT National Book Award
- Accounting Applications and Financial Business Case Study Winner

LANGUAGES

- English (Native)
- Hindi (Native)
- Gujarati (Native)
- French (Professional)

INTERESTS

- Engineering Science Ambassadors
- Oshawa Youth Council
- City of Oshawa Event Volunteer

References Available Upon Request