Aaryan Joharapurkar

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EDUCATION

Western University | Ivey Business School   **London, ON**
Bachelor of Software Engineering (BESc) & Honours Business Administration (HBA), Double Degree   *September 2025 - May 2027*
- Courses: Data Structures & Algorithms, Software Construction & Design, Strategy, Decision Making Analytics, Discrete Math
- Groups: Western Developer's Society, Ivey FinTech, Western Capital Markets, WEMars, Western Engineering AutoPilot

WORK EXPERIENCE

American Global, *Oakville, ON, Canada*   May 2025 – Present
Data Analytics Engineering & Strategy Intern
- Consolidated 1,000+ rows across 30 Excel sheets into a normalized Sanity schema via Python ETL, creating a single source of truth that enables structured analysis and downstream executive dashboards.
- Used the data to build a React application that recommends optimal insurance markets for clients, incorporating dynamic form state, input validation, and an LLM-powered matching engine to replace a multi-week manual lookup process to under 5 minutes
- Centralized IoT partner data in Sanity CMS and developed an Azure AD SSO React dashboard that directed brokers to cost-saving device options based on risk profile for their construction site projects saving them multi-million-dollars in premium savings

Employment and Social Development of Canada, *North York, ON, Canada*   May 2024 - August 2024
Financial Services
- Automated workflows between SAP Business Client and PowerBI with ETL pipelines and data-profiling checks, resolving $150K+ in suspense transactions across 140+ CPP/EL accounts and enabling analysts to perform faster financial analysis.
- Designed an accuracy assurance framework using Moneris and front-end analytics services, reducing transactional errors by 80% and ensuring seamless reconciliation of 1,200+ daily financial transactions across 20+ Service Canada Centers.

Minimart, *London, ON, Canada*   September 2022 - March 2023
Business Analyst
- Applied advanced financial modeling and forecasting techniques including cash flow analysis and investment appraisal to evaluate expansion feasibility and delivering strategic recommendations to senior leadership that improved projected revenue growth.
- Conducted a competitive landscape analysis to segment markets and identify untapped opportunities to increase market share by 12% in a saturated market while enhancing profitability and decision-making with data-driven insights.

LEADERSHIP & PROJECT EXPERIENCE

TradeOff | *Hack the North | 2nd Place Winner – AWS Track* (Link to DevPost)   September 2025
- Won 2nd Place out of 200+ projects at Hack the North by developing a stock simulation game for the RBC InvestEase challenge, designed to drive long-term customer acquisition by boosting student financial literacy.
- Engineered a Python backend to simulate dynamic markets with an AI-powered news feed via the Cerebras API, leveraging AWS DynamoDB Streams to deliver sub-second data updates to the React frontend.

Western Developer's Society (WDS) | *Vice President of Developer Operations* (Link)   September 2023 – Present
- Driving agile project management initiatives to deliver strategic objectives, using Jira to oversee sprint planning, backlog management, and team coordination for cross-functional success.
- Leading the development of software infrastructure for autonomous robot agents, enabling efficient task automation and seamless user interaction through React Native, Tailwind CSS, and backend API integrations to bridge front-end interfaces with operations.
- Worked with executives to lead JS and Figma Workshops to deliver engaging and informative presentations explaining complex ideas to >200 beginner-level university student attendees, achieving high NPS scores, indicating strong attendee satisfaction.

Ivey FinTech | *Consultant Analyst* (Link to Slide deck and Figma Prototype)   September 2024 – April 2025
- Partnered with a high-growth Canadian digital mortgage lender to identify and prioritize opportunities for AI integration like process automation and customer behavior analysis completed through extensive market research and process mapping, then translated findings into Figma prototypes and an exec-ready brief that informed the product roadmap.

Western Alumni Database (Link)   August 2024 – November 2024
- Launched a React-based alumni networking platform in Tailwind, TypeScript, and Python, integrating React Router for seamless navigation and ensuring scalability to connect 2,000+ students with 300+ alumni, to help foster professional relationships.
- Built a LinkedIn alumni analysis platform to identify and connect Western University alumni by leveraging Python, data scraping, and regex-based filtering to extract and process structured insights from profiles and company metadata.

HONOURS AND AWARDS

AWS Award for Best Use of DynamoDB Streams | Hack the North | 2025
Tech Case Competition Sponsored by IBM | Top 5 Presentation (Top 5/36 Teams) | 2024
Atlantic Scholarship of $14,000 | Atlantic Packaging of Canada | 2023

SKILLS

Technical Skills: Python, JavaScript, React.js, AWS, Full-Stack Development, API Integration, Agile Methodologies, Figma

Industry Skills: Algorithmic Trading Principles, Investment Strategy (Active vs. Passive), Product Management, Data Visualization