Kaushik Nag Tumu

✉ kaushiknag72@outlook.com — 📞 +1 (647) 835-6393 — in linkedin.com/in/kaushiknagtumu —
○ github.com/404kaushik — 🌐 kaushiknag.com

Summary

I'm a **Computer Science** major with specializations in **Software Engineering** and **Data Analytics**, recently graduated from **Trent University** in April 2025. I'm passionate about using technology to simplify work, uncover insights, and build systems that just make sense. Currently, I work as a **Software Engineer** at **Designed Wealth Management**, where I help manage and optimize data pipelines that drive financial insights and decision-making. Previously, I supported **Junior Achievement (JA)** by automating workflows and improving internal systems. I've worked with tools like **Microsoft 365**, **Power Automate**, **SharePoint**, and **Salesforce** to streamline operations and boost team productivity. I enjoy diving into new technologies, solving complex problems, and collaborating across teams to turn ideas into impactful solutions.

Education

Trent University, Peterborough, ON
Bachelor of Science in Computer Science(Honors)   09/2021 – 04/2025
Specializations: Software Engineering & Data Analytics

- **GPA:** 3.9/4.0.
- **President's Honor Roll**
- **Dean's Honour Roll (All Four Academic Years)**

Technical Skills

Programming Languages: Python, Java, JavaScript, C++, Go, Ruby, C#
Frameworks/Technologies: React.js, Node.js, Angular, Tailwind CSS, PostgreSQL, MongoDB, Supabase
Cloud/DevOps: AWS, Azure, Docker, Kubernetes, CI/CD, Databricks, Lambda
Tools: Git, Linux, GraphQL, Bash Scripting, CloudWatch, Figma
Soft Skills: Agile Methodology, Task Management, Effective Communication

Professional Experience

Software Engineer, Designed Securities Ltd.   07/2025 – Present
Toronto, ON

- Build and manage **Azure** data pipelines and warehouses to organize and analyze financial data.
- Use **AutoML** and **Python** to forecast asset growth and identify portfolio risks.
- Process large transaction datasets in **Databricks (PySpark)** for faster, more accurate reporting.
- Design **Power BI** dashboards with live data and predictive insights for advisors.
- Automate reports and file transfers using **Power Automate** and **WinSCP**.

Research Data Assistant, Junior Achievement (JA)   05/2025 – 07/2025
Peterborough, ON

- Maintained and updated the JA-NEO and CPD websites using Squarespace.
- Automated internal workflows using tools like **Power Automate** and **Sharepoint**.
- Entered, cleaned, and managed student survey data in **Salesforce**, ensuring accurate program records.
- Assisted with delivering Salesforce training and onboarding for staff and program participants.
- Collaborated in a hybrid work setting using **Microsoft Teams**, **SharePoint**, and other Office 365 tools.

Full Stack Developer Intern, HostelMatch   03/2024 – 08/2024
Toronto, ON

- Implemented a **Python**-based data pipeline with web scraping, automating hostel listings and increasing data accuracy by 40%.
- Deployed the application on **Google Cloud Platform (GCP)** using **Kubernetes** for container orchestration and Cloud Run for serverless scalability, and handling 10,000+ concurrent requests seamlessly.
- *Learned:* Best practices in **cloud-native architecture**, **Kubernetes** orchestration, and **CI/CD** pipeline deployment, code **optimization**, and **cross-team collaboration**.

Frontend Development Intern, EasyFits   09/2023 – 02/2024
Pickering, ON

- Played a key role in designing and building a virtual try-on tool using **React.js** and **Canvas API**, providing users with an immersive shopping experience and increasing average session time by 40%.
- Worked on making the platform accessible to everyone by incorporating **ARIA roles** and adhering to **WCAG 2.1 AA** standards, enabling a seamless experience for users with diverse needs.
- Partnered closely with backend engineers to seamlessly integrate **RESTful APIs**, ensuring real-time updates and smooth data handling for the virtual try-on feature.
- ***Learned:*** Frontend performance optimization, accessibility best practices, **API integration**, and real-time data handling, while gaining valuable experience in team collaboration and debugging workflows.

Teaching Assistant, Trent University   01/2023 – 04/2024
Course: COIS-2300H (Computer Organization)

- Assisted over **320+ students** in understanding complex topics such as **processor design**, **assembly language programming**, **hardware-software interactions**, **parallel processors** and **computer arithmetic**.
- Evaluated and graded **assignments**, **examinations**, ensuring fair and accurate assessments while maintaining confidentiality and academic integrity.

Project Experience

HackTrent Website - Registration website for Trent University's hackathon

- Developed a full-stack website using **React**, **Tailwind CSS**, **Node.js**, **Express.js** and **PostgreSQL**.
- Deployed the frontend on **Vercel** and backend on **Render**, handling total traffic of **1.4k+ users**.
- Was used to spread event awareness, participant registration and to attract sponsor interest.

FinVision – AI-Powered Financial Research Platform

- Built a dynamic and responsive financial research platform using **Next.js 15**, **React 19**, **Tailwind CSS**, **Shadcn UI**, and **Framer Motion**.
- Integrated **Supabase** for authentication and database management, ensuring secure user access and real-time updates.

Timetable Mommy - 3rd Place Winner at UOttawa Hackathon

- Created an AI-powered scheduling tool using **React**, **Tailwind CSS**, **Javacript** for the frontend, **Node.js** and **Express.js** for the backend, **PostgreSQL** for data management and **OpenAI's API** for real-time voice interaction.
- This project won 3rd place in the General Category at the **University of Ottawa's hackathon**.

Community Involvement

Campus Strategist, Perplexity AI   01/2025 – 04/2025

- Exceeded sign-up targets by 30% within one semester, established long-term campus partnerships, and contributed to sustained user growth and engagement.

Vice President Tech, Trent Computer Science Association   08/2024 – 04/2025

- Organized **HackTrent**, a 2-day hackathon at Trent University with over 250+ students.
- Web Dev team lead of the HackTrent website.

Vice President Tech, Trent Business Students Association   09/2024 – 04/2025

- Built the association's digital presence by designing and developing the official TBSA website.
- Reorganized the association and led multiple events, including a university-wide stock simulation competition.
- Conducted a 2-hour workshop on **"What is Crypto & Blockchain?"** with over **63 attendees**.

Achievements

- **Google Developer Club TMU's Hackathon:** Awarded MLH's track for **Best Use of Gemini API (06/2025)**.
- **Trent International Scholarship ($22,000):** For demonstrating **strong academics** and **extensive campus involvement**. **(09/2021)**.
- **Hack the Hill II:** Placed 3rd in the General Category among **820+ participants** at the **University of Ottawa's** hackathon. **(09/2024)**
- **Staples Spotlight Award:** Awarded for having **most sales** during the back-to-school season. **(09/2023)**