

Syed Naqvi

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Educations

Honours Bachelors of Science in Computer Science – **Western University**

Expected 2027

Work Experience

IoT Software Developer, Traffic-Survey-Analysis Inc. via EMRC Lab – London, ON

Sep 2025 – Present

- Maintained full-stack traffic-monitoring IoT system (Arduino, Azure, Django, JavaScript) used by the Ontario Ministry of Transportation
- Implemented a custom server API to replace client-side log parsing, enabling reliable real-time device status; increased capacity from 100 messages to effectively unbounded with load scaling to $O(\text{devices})$

Software Developer, Flyer Canada – Toronto, ON

Feb 2025 – Present

- Developed a QR-code analytics SaaS platform (React/Node.js/Express, MongoDB, JWT) featuring a scan location heatmap, Device type chart, and a time-based trends graph that auto-refresh live via WebSockets/Server-Sent Events
- Delivered a secure, real-time order tracking platform used by over 10,000+ businesses nationwide, reducing client support tickets by integrating Monday.com's API with Make.com webhooks and automating live order status updates

Full-stack Software Developer, GeoNotebook — Remote, Canada

May 2024 – Aug 2025

- Developed a geospatial tracking tool to enable Earth Science researchers to analyze, visualize, and share planetary impact data
- Upgraded a 30k-line Angular app (v8→v18), replacing deprecated mapping libs with Google Maps API and ArcGIS to improve performance and maintainability
- Built an Express.js REST API with PostgreSQL, adding JWT/bcrypt auth, S3 file uploads via Multer, and CORS for secure client-server integration
- Designed database schema and SQL scripts and set up Heroku deployment pipelines to reliably store and retrieve crater-impact geospatial data with optimized queries

IT & Web Development Intern, Carolinian Canada Coalition – Remote, Canada

Jul 2024 – April 2025

- Automated analysis of 23,000+ Facebook posts via custom YAML/JSON data parser, saving over \$ 6,300 in work hours and reducing duplication with hash-based matching
- Refactored 120+ WCAG-compliant responsive pages using Drupal 10, PHP, Twig, and Bootstrap to improve accessibility and usability
- Managed a Linux-based development environment (Ubuntu v22, Docker v20, Composer, and Lando)

Extracurricular Experience

Marketing & Events, TMA Western – London, ON

September 2024 – April 2025

- Negotiated a record-breaking sponsorship deal, 15x previous funding, by coordinating with external vendors and non-technical stakeholders, building strategic partnerships with restaurants across London, and effectively communicating both technical and logistical details
- Designed and implemented a new Instagram-focused event marketing strategy using analytics to optimize posts, acquiring 14,900+ views and boosting engagement by 152%

Awards & Skills

Awards:

- **2nd Place, IveyHacks** : Led development of a data privacy MVP for Cyder, pitched to technical and executive judges; project focused on letting users monetize their data
- **Finalist, DECA Regionals** : Competed in business case competition, finalist in marketing category
- **Western University Scholarship of Distinction**: Awarded \$ 3,500 merit-based scholarship
- **Dean's Honour List** : recognizes undergraduate students with outstanding academic performance

Skills: Java, Python, C++ , Javascript, HTML, CSS, React.js, Angular.js, Node.js, Git & GitHub, Jira, Linux/Unix, SDLC; OOP & SOLID; Data Structures & Algorithms; Unit & Integration Testing; Secure Coding Practices, customer-focused development; leadership & ownership; teamwork & collaboration; interpersonal & communication; self-motivation with initiative; creativity & innovation; analytical & problem-solving mindset; big-picture & detail-oriented; thrive in fast-paced, ambiguous environments