Ilia Tarian

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Technical Skills

Languages: JavaScript, TypeScript, Python, Java, C, C#, SQL, Bash, HTML/CSS
Frameworks & Libraries: React.js, Tailwind CSS, Django, Flask, Streamlit, Gradio
Databases: MySQL
Developer Tools: Git, GitHub, Vercel

Education

Queen's University — Kingston, ON
Bachelor of Computing (Honours), Software Design Specialization — Sep 2025 – Expected May 2029

Experience

Web Developer (Freelance) — May 2024
Abdi Law Firm — North York, Canada

- Developed a responsive, client-facing website using HTML, CSS, and Tailwind CSS, incorporating interactive navigation and animations.
- Implemented an email contact button and responsive layouts to improve usability across devices.
- Collaborated with the client to translate business requirements into functional website features and a professional user interface.

Software Developer (Freelance) — Jun 2023
Parseh Leather — Shiraz, Iran

- Developed a Python-based command-line inventory management system using MySQL to store and manage inventory and sales records.
- Implemented inventory updates during sales to improve stock accuracy and streamline order tracking.
- Collaborated with the business owner to customize inventory-tracking features based on operational requirements.

IT Support / Website Maintenance — Jan 2023 – Jun 2023
Parseh Leather — Shiraz, Iran

- Maintained the company's website, diagnosing and resolving functionality, layout, and usability issues.
- Provided technical support and troubleshooting to maintain reliable website operation.

Projects

Satellite Telemetry Simulator | Python, Git

- Developing a Python simulator that generates structured satellite telemetry data for simulated ground-station testing.
- Implemented changing battery, temperature, altitude, and signal-strength values with state transitions and operating constraints.
- Designed telemetry records with satellite ID, operating mode, system status, sequence numbers, and timestamps.

Study Organizer & Sorting Visualizer | Python, Gradio, Git

- Developed an interactive study task organizer with a step-by-step insertion sort visualization.
- Implemented JSON-based task persistence and sorting by status, due date, and priority.
- Visualized algorithm comparisons, shifts, and insertions through an interactive Gradio interface.

Leadership & Activities

Tech Officer — Oct 2026 – Present
QHacks, Queen's University — Kingston, ON

- Joined the Technology Team supporting full-stack development and technical operations for a hackathon serving 700+ participants.