Fatemeh Fouladi Mahani

📍 **Montreal**, QC, Canada (Open to Relocation)
🍁 Status: **Open Work Permit** (until Aug. 2026 and extendable)

📌 Contact

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🎯 Professional Summary

Detail-oriented and passionate **Front-End Developer** with a **Ph.D. in Electrical Engineering** and **8+ years of experience** in research, programming, simulation, and design. Proficient in **React** (Router, Hooks, JSX), **Vite**, **Tailwind CSS**, and **Bootstrap 5**, as well as core technologies like **HTML5**, **CSS3**, and **JavaScript (ES6+)**, I specialize in building fully **responsive**, **accessible**, and **visually polished** web interfaces.

I follow clean code practices, design reusable components, and deploy confidently using **Git**, **GitHub**, and **GitHub Pages**. With a strong background in **scientific problem-solving** and **AI/ML-driven systems**, I bring an engineering mindset to frontend development—balancing structure and logic with an evolving eye for **UI/UX** and familiarity with tools like **Figma** and **Canva**. I strive to create **elegant**, **maintainable**, and **user-centered** web applications that are both functional and delightful to use.

💼 Technical Skills

💻 Front-End Development

- **Languages & Technologies:** HTML5, CSS3, JavaScript (ES6+)
- **Frameworks & Tools:** React (Hooks, Router, JSX), Vite
- **Styling & Layout:** Tailwind CSS, Bootstrap 5, Responsive Design
- **Version Control & Deployment:** Git, GitHub, GitHub Pages

🎨 UI/UX & Design Principles

- **Familiarity with UX Fundamentals:** Visual hierarchy, spacing, alignment, and user-centric layout design
- **Tools:** Figma (for layout design and basic prototyping) and Canva
- **Aesthetic Sensibility:** Creative background in painting with oil and soft pastels contributing to strong color theory awareness and intuitive design sense

✨ Additional Technical Skills

- **Programming & Analysis:** Python (NumPy, Pandas, scikit-learn), MATLAB (Data Visualization, Signal Processing)
- **Professional Attributes:** Structured problem-solving, scientific mindset, interdisciplinary collaboration, strong communication

🔻 Soft Skills and Attributes

- Effective verbal and written communication skills
- Excellent presentation and public speaking abilities
- High sense of responsibility and accountability
- Strong independent problem-solving and critical thinking
- Productive and collaborative team member in cross-functional environments

📁 Sample Projects

🚀 Mahsham TechStore — React E-Commerce Frontend
GitHub | Live Preview

A fully responsive e-commerce frontend designed from scratch to showcase smart gadgets and tech accessories for a fictional store. Built using **React**, **React Router v6**, **Bootstrap 5**, and **custom CSS**, it delivers a smooth, modern user experience with:

- Elegant UI with smooth transitions
- Seamless navigation through nested routes
- Horizontally scrollable product carousel with pricing, ratings, and CTAs
- Client-side validated login/signup forms via react-hook-form
- Simulated authentication flow and clear feedback messages
- Fully responsive, modular layout with enhanced styling (ribbon tags, transitions, gradients)

Tools: React, React Router DOM, React Hook Form, Bootstrap, Custom CSS with Flexbox, Responsive Layout, Media queries, and Transitions

🚀 Agency Landing Page
GitHub | Live Preview

A fully responsive landing page built using HTML, CSS, and JavaScript, developed as part of a frontend implementation exercise. **The goal was to recreate a given static layout image** from scratch, implementing modern best practices in responsive design and UI/UX development, including:

- Responsive layout across mobile, tablet, and desktop screens
- Interactive burger menu with smooth open/close transitions
- Auto-sliding testimonial carousel with manual controls and pause-on-hover
- Smooth scrolling for internal anchor links
- Clean modular file structure with clear separation of concerns

Tools: HTML5, CSS3, Vanilla JavaScript, Responsive Layout, Static Image Conversion

🚀 Sleek Todo List App — React + Tailwind CSS
GitHub | Live Preview

Modern task manager built with **React + Vite** and styled using **Tailwind CSS**. Designed for both desktop and mobile with clean UX. Key features include:

- Adding, deleting, and editing tasks
- Marking tasks as complete/incomplete
- Responsive layout for mobile and desktop
- Local storage persistence
- Keyboard interaction (e.g., Enter to add)
- Clean and elegant user interface

Tools: React, Vite, Tailwind CSS, Local Storage

🚀 Personal Portfolio Website
GitHub | Live Preview

A fully responsive and elegant portfolio website developed to present personal projects, academic achievements, and frontend development skills. Built using React, React Router, Tailwind CSS, and Framer Motion for smooth animation, it demonstrates strong attention to design detail, mobile responsiveness, and clean code organization. Highlights include:

- Modern two-column Hero section with animated CTA buttons and skill badges
- Dynamic About section with scroll-based animations and responsive layout across screen sizes
- Fully modular component structure with HashRouter-based routing
- Seamless transitions and hover effects using Framer Motion and Tailwind utilities
- Optimized typography and spacing for different screen resolutions
- Custom responsive design with rem/em units and media queries
- Live project previews, GitHub integration, and resume access

Tools: React, React Router DOM, Tailwind CSS, Framer Motion, Vite, Responsive Design, Modular Components

🏆 Selected Honors & Awards

- **Scholarship Award for Talented Students** – Iran's National Elites Foundation (Dec. 2018 – Feb. 2022)

- **Excellence in Research Award** – Kerman Province (Dec. 2018)

- **Foreign Research Opportunity Scholarship Award** – Iran's National Elites Foundation (Feb. 2023 – Aug. 2023)

- **Visiting Research Scholarship Award** – Ministry of Science of Iran (Feb. 2023 – Aug. 2023)

- **Outstanding Researcher Award** – Shahid Bahonar University of Kerman (Dec. 2018)

- **Direct Ph.D. and M.Sc. Admission without Examination** – Exceptional Talents Foundation, Shahid Bahonar University of Kerman

- **First-Ranked Ph.D. and M.Sc. Student** – Shahid Bahonar University of Kerman

- **Visiting Student Support Scholarship** – Federation of Academic Pioneers in Iran (Feb. 2023 – Oct. 2023)

- **Research Scholarship Offer** – from the University of Ottawa (Jun. 2023 – Jan. 2024)

🎓 Education

- **Ph.D. in Electrical Engineering** – Shahid Bahonar University of Kerman | Sep 2018 – Nov 2023, GPA: 19.50/20.00, Supervised by Prof. Pierre Berini (University of Ottawa)
- **M.Sc. in Electrical Engineering** – Shahid Bahonar University of Kerman | Sep. 2015 – Sep. 2017, GPA: 19.43/20.00
- **B.Sc. in Electrical Engineering** – Shahid Bahonar University of Kerman | Sep. 2011 – Sep. 2015, GPA: 16.16/20.00

🌐 Languages

- English (Fluent)
- Persian (Native)
- French (Elementary)