

Hoodad Farhad

Canada, ON / hoodad.farhad@gmail.com / +1 (519) 820 9195 / [LinkedIn](#) / [GitHub](#)
Full-Stack Developer

EDUCATION

- MSc** in Computer Science | University of Guelph, Guelph ON Sep 2022 - Sep 2024
- **Thesis:** Human-Computer Interaction | **GPA:** 3.94/4.00
- B.Sc.** in Software Engineering | Azad University Central Tehran Branch, Tehran IR Sep 2016 - Dec 2021
- **GPA:** 3.67/4.00

Relevant courses and Awards:

Mobile App Development (A+) • Data Structures & Algorithms (A+) • Object-Oriented Programming (A+)
Top 3% of graduating class (2021) • Top student for 6 semesters, earning special privileges (2020)

RELEVANT WORK EXPERIENCE

Freelance Full-Stack Developer / *Budgeting App Example* / Guelph ON. Jul 2023 – Present

- Created a full-featured budgeting app using **HTML, CSS, JavaScript, TypeScript, Node.js, Express.js**, and **jQuery** for an interactive user experience.
- Designed a **React-based** expense tracking dashboard with visual charts for financial insights.
- Integrated **SQL (PostgreSQL/MySQL)** for real-time expense tracking and bank balance.
- Implemented a **RESTful API** for OCR-based receipt scanning, reducing user workload.
- Maximized **session management and caching**, cutting page load times **by 40%**.
- Deployed on **AWS**, upgrading cloud resources for **scalability and compliance** while simplifying infrastructure management, resulting in a **30% reduction** in downtime and improved uptime reliability.
- Leveraged **Git** and **GitHub** for version control and efficient facilitation.

Teacher Assistant and XAI Researcher / University of Guelph / Guelph ON Sep 2022 - Dec 2024

- Mentored students in UI course with **HTML, CSS, JavaScript, and React**, focusing on user-centered design.
- Led **Figma prototyping workshops**, contributing to an **82% average** exam score in UI topics.
- Taught **SQL and PostgreSQL**, troubleshooting queries and design issues, improving midterm scores **by 20%**.

Full-Stack Web Development Intern / Segal Pardaz Sina / Tehran IR Jan 2019 – Sep 2020

- Developed a **web application** for financial management and real-time expense tracking using **React.js** for the frontend and **Node.js** for the backend.
- Engineered and tested high-quality **RESTful APIs and microservices**, ensuring high performance and scalability, which improved system efficiency by **15%**.

MAJOR PROJECT

PERSONAL FITNESS TRACKER / Undergraduate Level Project / Tehran IR 2021

- Developed a feature-rich **web application** for sharing and browsing workout routines using **HTML, CSS, JavaScript**, and **Node.js**.
- Designed and integrated a **PostgreSQL** to store workout routines, user profiles, and activity logs efficiently.
- Integrated **Azure Blob Storage** for media handling, reducing backend load by **35%** and improving image retrieval speed by **50%**, resulting in a smoother user experience.
- Implemented **RESTful API** integration to fetch curated fitness articles, enhancing the application's functionality and demonstrating proficiency in external data integration.
- Configured secure **API access** for public workout program distribution, enforcing daily request limits.
- Refined the platform for **cross-browser compatibility** and **responsive design**, creating a smooth user experience across devices.
- Engaged effectively using **Git** and **GitHub** for version control, ensuring a well-organized codebase.

TRAINING & CERTIFICATES

- AWS Cloud Practitioner (expected: 2025)
- Node.js Unit Testing In-Depth 2025
- The Complete Full-Stack Web Development Bootcamp 2025
- Java SE Programmer LAITEC Institute 2020
- Network+ Tehran Institute of Technology 2018