Hoodad Farhad

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Full-Stack Developer

PROFILE

Full-Stack Developer with an MSc in Computer Science (HCI) who is enthusiastic about creating digital solutions, focused on the needs of users. knowledgeable in UX design, API development, responsive design, and scalable web apps; proficient in Java, Node.js, .NET Core, Angular, React, SQL, HTML, CSS, and JavaScript. With practical experience in AWS, Git version control, and cross-functional cooperation, this individual is adept at database optimization, RESTful API integration, and Agile approaches.

SKILL

Front End: Angular (latest versions), React, TypeScript, JavaScript, HTML, CSS, Bootstrap, jQuery
Back End: .NET Core, Node.js, Java, Spring, C#, API development
Mobile Development: Android Studio
Database Management: Expertise in SQL (PostgreSQL, MySQL) and Firebase integration
Cloud Technologies: AWS (Cloud Foundations, IAM, EC2, S3, Cloud Computing Basics)
Tools & Methodologies: Experienced with Git, Jira, Confluence, and RESTful APIs
Other Skills: Responsive design, SEO optimization, version control

RELEVANT WORK EXPERIENCE

***Teacher Assistant**/ University of Guelph / Guelph ON*   *September 2022 - December 2024*
User Interface and Design:

- Guided students in developing interactive and functional UI components using **HTML, CSS, JavaScrip**t, and **TypeScript** focusing on creating user-centered solutions.
- Conducted workshops on prototyping and wireframing using Figma
- Provided continuous support during labs and office hours, leading to the class **average score of 82%** in the exam in that area.

Database and systems:

- Provided one-on-one support during lab hours, troubleshooting **SQL queries and database** design issues, **leading to a 20% average improvement** in students' midterm scores.
- Led lab sessions and tutorials on database management systems, SQL, and advanced querying techniques, emphasizing practical application and problem-solving.

***XAI Researcher**/ [Collaborative Systems Lab](#) / Guelph ON*   *September 2022 – December 2024*

- Conducted a **thesis-driven study** on subtitle accuracy and availability, enhancing user comprehension by 35% through UI changes, and delivered actionable insights in business-focused reports to drive UX improvements emphasizing accessibility and inclusivity.
- Applied **React.js** and **JavaScript** to create prototypes for testing and data analysis

***Web Development Intern**/ Segal Pardaz Sina / Tehran IR*   *January 2019 – September 2020*

- Developed and maintained a financial management web application that allows real-time spending tracking using **Angular and React.js** for the UI and **Node.js** for the backend.
- Restructuring **database queries** resulted in a **30%** reduction in **API response time**, enhancing system performance and user experience.
- improved search engine visibility and user acquisition by putting **SEO best practices** into effect, such as optimizing meta tags, structured data, and page load times.
- **RESTful APIs** were created and implemented to ensure smooth data transfer between front-end and back-end services.
- Worked with **cross-functional teams** to improve UI/UX and guarantee a responsive and accessible online experience.

EDUCATION

MSc of Computer Science|2024|
University of Guelph / Guelph ON
<u>Thesis field:</u> Human-Computer Interaction
GPA: 3.94 of 4.00
B.Sc. in Software Engineering|2021|
Azad University Central Tehran Branch / Iran
GPA: 3.67 of 4.00

Relevant Courses Completed include:
Mobile Application Development
(Graduate level | Score: A+)
Data Structure and Algorithm
(undergraduate level | Score: A+)
Object-Oriented Programming
(Undergraduate level | Score: A+)

SCHOLARSHIPS & AWARDS

- GPA score ranked within the **top 3%** of my graduating class   2021
- Recognized as top student for 6 semesters, earning special privileges   2020

MAJOR PROJECT

PERSONAL FITNESS TRACKER/ Undergraduate Level Project / Tehran IR   2020
Built a web application for sharing and browsing workout routines using **Angular, .NET Core, and Node.js**, integrating **Firebase Realtime Database** for secure data management. Deployed on **AWS EC2**, leveraging **AWS S3** for media storage, reducing backend load by **35%** and improving image retrieval speed by **50%**. Integrated **RESTful APIs** for curated fitness content and optimized the platform for **cross-browser compatibility and responsive design**.
Skill used: Angular, .NET Core, Node.js, Firebase, AWS EC2, AWS S3, RESTful APIs, HTML, CSS, JavaScript, cross-browser compatibility, responsive design, usability testing, version control (GitHub).

SMART PARKING WEB APP/ Undergraduate Level Project / Tehran IR   2019
Designed and developed a **React.js** application for real-time parking spot detection, based on research with **50+ users**. Implemented a **.NET Core backend** with **Google Maps API** integration, reducing system runtime by **18%**. Conducted **usability testing**, optimized for **cross-browser compatibility**, and managed source control using **GitHub**
Skill used: React.js, .NET Core, Google Maps API, UX research, wireframing, prototyping, TypeScript, usability testing, cross-browser compatibility, GitHub, real-time data integration.

CERTIFICATES

- AWS Cloud Practitioner Course - AWS   (Expected 2025)
- The Complete Full-Stack Web Development Bootcamp - Udemy   2025
- Network+ - Tehran Institute of Technology   2020
- Java SE Developer - Laitec   2018

VOLUNTEER EXPERIENCE

Teacher Assistant/***Azad University Central Tehran Branch***   September 2020 – May 2021
Presented lectures and led office hours for classes in database and theory of computation, demonstrating strong communication, mentoring, and leadership abilities to enhance student learning, accommodate a range of needs, and promote collaboration in the classroom.