MEHRSHAD FARAHBAKHSH

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EDUCATION

York University   Sep 2021 – May 2025
Honours Bachelor of Science in Computer Science
- Overall GPA: 3.7/4.0
- Mentored over 10 groups in a university-hosted hackathon, providing guidance on coding practices, idea development, and presentation coaching.

TECHNICAL SKILLS

Languages: Java, C, Python, JavaScript, TypeScript, MySQL, PostgreSQL, HTML, CSS, Bash

Frameworks and Libraries: React.js, Node.js, Tailwind CSS, Bootstrap, Junit Testing

Tools and Technologies: Git, GitHub, Vercel, Figma, Framer, WordPress, Shopify, Visual Studio, Android Studio, Eclipse

PROFESSIONAL EXPERIENCE

Web Developer   Jan 2023 – Aug 2023
Gokoo
- Developed interactive and user-friendly websites for clients aiming to launch their side hustles, using CMS platforms such as Shopify and WordPress to ensure responsive design and enhance user experiences (see projects in portfolio).
- Achieved top search rankings for Gokoo's website through a **50%** enhancement in **SEO** via focused optimization and analytics, resulting in improved content and performance tracking.
- Achieved **90%** client satisfaction through **Agile** practices, ensuring timely delivery, consistent communication, and post-launch support, which led to increased client referrals for Gokoo.

PROJECTS

BreviMind
- Developed an AI application for efficient article summarization by using **RapidAPI**, enhancing reading efficiency for users.
- Designed the interface with **Tailwind CSS** and **React**, ensuring a responsive, intuitive user experience across devices.

Speak2AI
- Developed a Python-based AI application that converts real-time audio to text, leveraging **PyAudio** and **WebSocket** for seamless real-time processing and transcription via **AssemblyAI**.
- Integrated **OpenAI's GPT-3.5** for generating intelligent responses, demonstrating expertise in AI technologies and secure API integration for dynamic and efficient user interactions.

My Portfolio
- Designed and developed a personal portfolio website from scratch using **HTML**, **CSS**, and **JavaScript**, showcasing a range of projects and technical skills.
- Optimized the website for mobile responsiveness, ensuring compatibility and smooth functionality across different devices, and deployed it on **Vercel** for reliable availability.

Computer Science Department
- Coded a **Java-based** academic management system in **Eclipse**, utilizing OOP principles and integrating robust features for faculty and student administration.
- Implemented extensive **JUnit** testing to maintain high code quality and demonstrate proficiency in advanced software development practices.

ADDITIONAL INFORMATION

Relevant Advanced Courses: Advanced Object-Oriented Programming (*Fall'22*), Software Tools (*Fall'22*), Computer Organization (*Winter'23*), Fundamentals of Data Structures (*Winter'23*), Design and Analysis of Algorithms (*Fall'23*), Introduction to Database Systems (*Fall'23*), User Interface (*Fall'23*), Operating System Fundamentals (*Winter'24*), Introduction to Computer Security (*Winter'24*), Software Design (*Winter'24*)

Hobbies: Tech Meetups and Conferences, Volunteering, Reading, Photography, Swimming, Cooking, Weightlifting

Languages: English/Persian