AMIRPARSA ROUHANI

Software Developer

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ABOUT ME

I'm a Computer Science student at Amirkabir University where I have gained solid knowledge of Java and C through coursework focused on object-oriented programming and software development principles. I started programming in eighth grade with Python and have learned JavaScript to build projects. I have experience developing both frontend and backend applications, applying what I've learned to create practical, maintainable software. I'm currently expanding my skills in data science and AI and enjoy working with teams to solve technical challenges.

EDUCATION

AMIRKABIR UNIVERSITY OF TECHNOLOGY   *2024 - Present*
B.Sc. in Computer Science
Grade Average: 18.14

ALLAME HELLI 10 HIGHSCHOOL   *2021 - 2024*
Mathematics & Physics
Grade Average: 19.71

SKILLS

TECHNICAL SKILLS
Programming Languages:
- **Back-End:** Java (Object Oriented Programming), Python, C, Familiar with C#
- **Front-End:** JavaScript, TypeScript, HTML, CSS

Technologies:
- **Back-End Frameworks:** Spring Boot, Familiar with Django, FastAPI, and Flask
- **Front-End Frameworks:** React.js, Next.js, Tailwind CSS, Swing (Java), Familiar with Bootstrap
- **Databases:** SQL databases (MySQL, PostgreSQL, MSSQL)
- **Cloud:** Git, Docker
- **API**: RESTful APIs

Development Tools: Intellij IDEA, Visual Studio Code, PyCharm, DataGrip, Jupiter Notebook, Google Colab, Rider

SOFT SKILLS
- Detail-Oriented, Strong Problem-Solving, Self-Motivated, Eager to Learn, Team Collaborative

WORK EXPERIENCE

Golrang System – Frontend developer Intern   *AUGEST 2025 - PRESENT*

- Developed and improved key features using **React**, **TypeScript**, **Next.js**, and **Tailwind CSS** on a **complex** project.
- Contributed to a **widely used data reporting application** accessed daily by **hundreds** of company employees.
- Helped improve overall **application stability** and **performance** by **fixing recurring bugs** and **optimizing critical components**.
- Worked with, integrated, and maintained **multiple React libraries** within a **large**, **production-level** project structure.
- Gained **hands-on experience collaborating with a team** in a **complex codebase** and **professional development environment**.

Roshan AI - Frontend Developer Intern   *JULY 2025*

- Built a **React** app for an AI assistant that **transcribes** audio/video into **time-synced text**.
- **Learned** and applied **React Router**, **Hooks**, and **Redux** for navigation, state, and global data management, demonstrating rapid learning.
- Connected frontend to backend via **JavaScript Fetch API** for real-time data handling.
- Styled with **Tailwind CSS** and **custom CSS** for a clean UI.
- **Selected** as one of the **few participants** whose project was **accepted** and matched the event's skill requirements, demonstrating **strong attention to detail**.

Kanoon (Ghalamchi) – Book and Exam Editor *AUGUST 2024 - NOVEMBER 2024*

- Edited educational books and exam materials, ensuring **clarity**, **accuracy**, and **consistency**.
- Strengthened skills in **attention to detail**, **content organization**, and **meeting tight deadlines**.
- Applied the same **precision**, structured **thinking**, and **deadline discipline** to **teamwork** in computer science projects.

NOTABLE PROJECTS

Panta – **Data archiving and reporting App -** *TypeScript, Next.js, React, Tailwind CSS, HTML, CSS*
- **Contributed daily** by implementing new features and fixing recurring bugs across project.
- These contributions became an **integral part** of the **final product**, which is **actively used** by **several hundred employees** and has been sold to **multiple companies**.
- Built a **clean**, **scalable**, and **user-friendly UI** using **advanced React** and **Next.js** patterns.
- Applied **efficient data structures** and **optimization techniques** to ensure **fast performance** and **smooth user experience**.

Ava - Frontend for Speech-to-Text AI – *JavaScript, React.js, Tailwind CSS, HTML, CSS* *Github Repository*
- Built a **front-end Single-Page-Application (SPA)** for a **Speech-to-Text** AI project.
- Connected to back-end services via **RESTful APIs**.
- Used **React** features including **Hooks**, **React Router**, and **Redux** for **state** and **navigation** management.
- Developed modular and reusable **components** to improve **code clarity** and **maintainability**.
- Styled the application using **Tailwind CSS** for fast, consistent **UI design.**

Milou - Email System – *Java, Spring Boot, REST API, HTML, CSS, JavaScript* *Github Repository*
- Built a **full-stack** email system with complete **CRUD** operations **(Create, Read, Update, Delete)**.
- Developed the **back-end** using **Spring Boot** and **Spring MVC**, exposing **RESTful APIs** for client interaction
- Designed and implemented the **front-end** using vanilla **JavaScript**, **HTML**, and **CSS**.
- Applied **object-oriented programming (OOP)** principles to ensure a modular and **maintainable** codebase.
- Used efficient **data structures** to enhance system **performance** and **scalability**.

In-Memory Database System – *Java* *Github Repository*
- Built a lightweight in-memory database in **java**
- full **CRUD** (Create, Read, Update, Delete) support using **efficient data structures**.
- Applied **OOP** principles like **encapsulation**, **abstraction**, and **polymorphism** to organize the system into modular, reusable components.

Cafe menu Design – *Java, Swing* *Github Repository*
- Designed and implemented a **graphical menu-based** application for a café using **Java Swing**.
- The application features multiple pages for browsing beverages, foods, and desserts, with a functional **cart system** to add or remove items.
- Demonstrates event-driven programming, **GUI** layout management, and **user interaction** handling.

LANGUAGES

Persian: Native
English: Professional proficiency (C1)

CERTIFICATES

"**Introduction to Python**", sololearn.com *Certificate*
"**Machine Learning in Python**", maktabkhooneh.org *In Progress*

REFERENCES

Prof. Mohammad Akbari. Amirkabir University, Department of Computer Science *akbari.ma@aut.ac.ir*
Prof. Mahdi Ghatee. Amirkabir University, Department of Computer Science *ghatee@aut.ac.ir*
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