

ALI GHANATI

Software Engineer & Full Stack Developer

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EDUCATION

M.Sc. in Embedded Systems

Eindhoven University of Technology

2024 – Present (Expected 2026)

B.Sc. in Computer Engineering

Sharif University of Technology

2018 – 2023

EXPERIENCE

Test Engineer

Smit Thermal Solutions

Sep 2024 – Mar 2025 (Part-time) Eindhoven, Netherlands

- Tested and validated industrial oven control software.
- Executed structured tests to ensure system reliability under varied conditions.
- Gained hands-on experience with modern code generation tools.

Software Engineer

Akka

Sep 2023 – Aug 2024

Dubai, UAE

- Developed Nest.js APIs for a decentralized exchange aggregator.
- Developed extensive test cases using Jest, and utilized them in GitHub Actions pipeline.
- Built data collection scripts for backend analytics.
- Developed an example dApp frontend for API validation and reference.

Full Stack Engineer

Kangonio

Jun 2022 – Oct 2023 (Part-time) Tehran, Iran

- Maintained and tested existing e-commerce platform features.
- Implemented and verified flexible discount code logic.

Full Stack Engineer

Twelve Group

Jun 2022 – Oct 2023 (Part-time) Tehran, Iran

- Developed data migration plugin and validated data integrity.
- Delivered backend features and redesigned frontend with React.
- Collaborated with UI/UX remotely to ensure design fidelity.

MY LIFE PHILOSOPHY

"If you don't turn your life into a story, you just become a part of someone else's story."

- Terry Pratchett, *The Amazing Maurice and His Educated Rodents*

HONORS



Member of Iran's National Elites Foundation (INEF)



Ranked 60th among 144,000 (top 0.1%) in national university entrance exam



Member of National Organization for Development of Exceptional Talents (NODET)

CERTIFICATIONS

- [IBM DevOps and Software Engineering](#) - Issued by IBM (Coursera)
- [IBM Applied DevOps Engineering](#) - Issued by IBM (Coursera)
- [IBM Back-End Development](#) - Issued by IBM (Coursera)
- [Game Theory](#) - Issued by Stanford University (Coursera)

VOLUNTEER SERVICES

- Multiple contributions on open source projects on GitHub
- Member of Central Council of Literature and Poetry Club at Sharif University for 3 years
- TA Python Lab Course (3 Semesters), EE Department
- Staff in multiple student-organized events across the CSE and IE Departments
- Editor for multiple magazines at Sharif University of Technology
- Presenter of programming workshops for freshman students

Frontend Developer

Asan Bourse

📅 Sep 2021 – May 2022 (Part-time) 📍 Tehran, Iran

- Developed and tested a mobile-first PWA for market event alerts.
- Exported app to Android and verified event notification logic.

Full Stack Developer

Weblite

📅 Sep 2021 – May 2022 (Part-time) 📍 Tehran, Iran

- Completed full-stack training, developing a multiplayer UNO game.
- Built a React micro frontend integrated into a messenger platform.

PROJECTS

Smart Home — Embedded Systems Course Project 🧠

- Built a home automation system with 3 Arduino modules and a Raspberry Pi as the central hub.
- Programmed custom ESP8266 firmware in C to connect Arduino modules to Wi-Fi.
- Created a dashboard for remote access and control.

Webelopers 2022 🧠

- Helped maintain an open source project for a student-run tech event.
- Collaborated with frontend, backend, and DevOps developers.
- Built UI components for event registration, team creation & selection, schedule display, and third-party login.
- Integrated all components with backend APIs to ensure proper functionality.

WSS Site 🧠

- Directed the redesign, deployment, and maintenance of an existing open source project.
- Oversaw a student team while actively contributing to development.
- Added new features and event data, and ensured CI/CD and test pipelines remained functional.

Record Tracker 🧠 🌐

- Built a single-page application for logging and analyzing archery scores.

Chess Game 🧠

- Implemented a two-player chess game in Python.

Minesweeper 🧠

- Rebuilt the classic game with custom styling and frontend logic.

STRENGTHS

Quick-learner

Eye for detail

Problem Solving

Full Stack Web Development

Web3

Embedded Systems

LANGUAGES

Persian



English



Dutch

