

Saeed Shamsi

B.Sc. Student | Computer Engineering

Islamic Azad University, Roudehen Branch

Artificial Intelligence · Embedded Systems · IoT · Full-Stack Software



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👤 PROFILE

Computer engineering student building research-oriented software across artificial intelligence, embedded and IoT-facing systems, and full-stack products (React, Next.js, TypeScript, Flutter, Electron, Go). Public portfolio of security and developer tools, plus multilingual web systems such as Capis.be. Co-author of two 2023 conference papers with Mehran Abdivand and Khosro Shamsi; ongoing study in AI security. TOEFL iBT 100. Seeking funded Master's study and research collaboration in artificial intelligence, embedded systems, IoT, and software security.

💡 RESEARCH INTERESTS

Artificial Intelligence Embedded Systems Internet of Things AI Security Multi-agent Systems Full-stack Systems

🎓 EDUCATION

B.Sc. Computer Engineering

Islamic Azad University, Roudehen Branch, Iran · Student

- GPA 17.05 / 20 over 8 terms.
- TOEFL iBT overall score: 100.

📖 PUBLICATIONS

Conference papers · co-author · 2023

- Abdivand, M., Shamsi, K., & Shamsi, S. (2023). Using Artificial Intelligence for the Eradication of Poverty and Hunger, Providing Clean Water, and Promoting Public Health through Global Collaboration. 8th International Conference on Knowledge and Technology in Electrical, Computer, and Mechanical Engineering of Iran.
- Abdivand, M., Shamsi, K., & Shamsi, S. (2023). Applications of Artificial Intelligence in Sustainable Economic Growth, Innovation, and Responsible Production and Consumption. 18th International Conference on Management, Economics, and Development (Persian).

🔬 RESEARCH

- Ongoing independent study in AI security and defensive developer tooling, aligned with security-oriented open-source projects.

</> SELECTED PROJECTS

- Capis.be capis.be
multilingual cardiology/health web platform (Next.js) with CI/CD and technical SEO.
- [DNSwitch](https://github.com/saeedshamc/DNSwitch) github.com/saeedshamc/DNSwitch
cross-platform DNS changer (Go + Wails).
- [Webcloner](https://github.com/saeedshamc/Webcloner) github.com/saeedshamc/Webcloner
Rust website cloning toolkit.
- [NetPulse](https://github.com/saeedshamc/NetPulse) github.com/saeedshamc/NetPulse
local network traffic monitor (Tauri, Rust, React).
- [wireless-sniffer-toolkit](https://github.com/saeedshamc/wireless-sniffer-toolkit) github.com/saeedshamc/wireless-sniffer-toolkit
Wi-Fi monitoring and packet capture (PySide6).
- [Teaching-Clinic](https://github.com/saeedshamc/Teaching-Clinic) github.com/saeedshamc/Teaching-Clinic
programming learning repository.
- [password-list-generator](https://github.com/saeedshamc/password-list-generator) github.com/saeedshamc/password-list-generator
Go password wordlist generator (GUI and CLI).

EXPERIENCE

SEO & DevOps / Full-Stack Developer — Capis (Belgium)

Sep 2025 – Present

Remote

- Build and maintain client web apps (React, Next.js, TypeScript); Docker CI/CD; multilingual technical SEO.

SEO & DevOps Developer — AimsControl (Hooshmand Asia)

Feb 2025 – Present

Iran

- Web applications with React/Next.js/TypeScript and a C# desktop application; CI/CD and Docker deployments; SEO structure and indexing.

Programming & IT Instructor — Mehr Pajooohan Technical & Vocational Training Institute

May 2022 – Present

Iran

- Teach ICDL, Python, C++, HTML/CSS, JavaScript, React, robotics, Network+, and WordPress; design hands-on curricula.

TECHNICAL SKILLS

Web / full-stack	React, Next.js, JavaScript, TypeScript, HTML/CSS, Tailwind, Node.js
Mobile / desktop	Flutter, Electron, C#
Backend / systems	Python, Go, C/C++, Docker, CI/CD, Git, Linux
Security & networking	Network+, CCNA, CEH orientation; security and developer-tool projects
Data / ML exposure	PyTorch; applied machine-learning coursework and projects

CERTIFICATIONS & AWARDS

- TOEFL iBT — overall 100.
- International Pedagogy Certificate (certified instructor / trainer).
- Top-ranking award, university student association.
- freeCodeCamp developer certifications (about 300 hours each, 2026): Responsive Web Design; JavaScript Algorithms and Data Structures; Front-End Development Libraries; Data Visualization; Back-End Development and APIs; Machine Learning with Python.

LANGUAGES

Persian — Native English — Professional (TOEFL iBT 100)