

# Ehsan Lesani – English Resume (Summary Version)

## Contact Information

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- **Last Resume Update:** <https://www.linkedin.com/in/ehsanlesani>
- **Last Commercial Projects:** <https://github.com/ehsanlesani>

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## Education

- **M.Sc. in Computer Engineering (Artificial Intelligence and Robotics)** – K. N. Toosi University of Technology

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## Honors

- Ranked 1st among Computer Engineering undergraduates at K. N. Toosi University. Recognized as a top student.

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## Areas of Expertise

- AI and Machine Learning Engineer with a focus on Deep Learning
- AI Solutions Architect and AI Researcher and AI Agents Developer
- Developer of intelligent agents and autonomous systems (Deep Learning, Data Mining, Recommender Systems, Neural Networks, Fuzzy Systems, AI in Games, Swarm Intelligence, Reinforcement Learning, Multi-Agent Systems, Image and Text Processing, Rule-Based Expert Systems)
- Builder of intelligent systems with automated data extraction, model optimization, feature engineering, and decision-making capabilities
- Developer of automation bots and browser extensions for data extraction and processing
- Designer of financial market trading bots and strategies using AI with high accuracy
- Web systems developer specialized in AI for financial domains
- Experienced in multi-language programming integration to achieve specific goals
- Professional technical writer, editor, and translator with 14 years of experience (books, articles, proposals)

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## Programming & Tools

- **Languages:** Python, PHP, Matlab, Pine Script, VBA, mySQL, ActionScript 3, JavaScript, jQuery, HTML, CSS, Ajax, JSON, XML
- **Platforms:** Google Colab, TensorFlow, WordPress, Excel (Advanced), Git, GitHub
- **Tools:** Visual Studio Code, PhpStorm, WAMP/XAMP, Figma (learning), Adobe Photoshop, Flash, Dreamweaver, Mobirise, Microsoft Office Suite

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## Other Technical Tools (Intermediate Experience)

- Android development with Android Studio and Java
- Laravel, Livewire, Tailwind CSS, AlpineJS, Blade
- ASP.NET 5 (C#, Razor Pages, MVC, Web Forms)
- C, C++, Assembly (Intel 8086), Arena simulation
- Smart home implementation with a well-known framework
- Content creation for YouTube (familiar with its policies)

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## Notable Projects and Career and Research & Scientific Writing

- Designed and deployed a proprietary AI framework for NOOVEX, a 25-year-old company transitioning toward deep-tech innovation. Led the development of an intelligent label authentication and smart printing platform, enabling brand integrity, automation, and B2B scalability.
- Launched 80% of a knowledge-based company focused on AI-driven stock market forecasting using deep learning, combined with services like news aggregation and stock insights (Iran Stock Market (2019–2021))
- Currently launching a new AI startup for cryptocurrency and stock prediction using deep learning and data mining
- Over 6 years developing visual AI systems (deep learning, recommender systems, NLP, etc.)
- Pacman game with AI agents (B.Sc. thesis)
- Web and game developer at Codex Graphic Company (6 months), plus 3-month internship
- Designed 10 WordPress-based SEO-optimized websites and 5 landing pages
- IT manager at a company managing real Windows servers and network devices (3 months)
- Financial analyst and top-performing trader in a well-known analyst group
- Creator of AI bots for financial trading strategies with high win rate
- 14 years of research, development, and scientific writing
- Author of a book titled “Applications of Deep Learning in AI” (up to 2018)

- Wrote a commercial proposal for nano-cleaners for various surfaces

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## Additional Projects

- Simplified Pacman clone in ActionScript 3
- Neural network-based loan approval system (Matlab)
- Fuzzy customer segmentation (Matlab)
- Advanced Persian OCR and license plate detection (Matlab)
- Hybrid recommender system for clothing (Python)
- Sentiment analysis from student reviews using Python
- Checkers game AI opponent using JavaScript
- Dynamic programming in multi-agent systems (Matlab)
- Evolutionary solution for the 8-queens puzzle (Matlab)
- Inventory database system (SQL)
- Elevator behavior simulation using Arena
- Paint tool using Intel 8086 Assembly
- Industrial proposal for essential oil packaging
- LAN-based secure chat system using PHP and ActionScript
- Various UI and backend panel implementations (JavaScript, jQuery)
- AI recommender browser extension for saving/finding favorite content

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## Books & Academic Writings

- Group presentation on 'Swarm Intelligence' (with instructor Chitra Dadkhah).
- Flash Professional CS6 training content (collaborative project) with Seminar.
- ASP.NET technologies internship report.
- AJAX-based practical web project (Internet Engineering course) with Seminar.
- Pacman AI game project as Bachelor's thesis.
- Translation of unstructured big data paper from 5th IC Earth Research Conference
- Group paper on loan approval via neural networks (with instructor Dr. Zahedi).
- Group paper on customer segmentation via fuzzy logic.
- Seminar: 'Urban Traffic Management with IoT and AI'.
- Compiled Reinforcement Learning exam book (with Dr. Khasteh).
- Translated NLP sentiment analysis paper from student comments with Seminar.
- Translated papers on AI in financial portfolio optimization and tourism planning.
- Wrote and translated papers on context-aware recommender systems from leading journals with Seminar.
- Reimplemented and presented several academic papers from international journals.