

Ehsan Lesani – English Resume (Summary Version)

Contact Information

- **Website:** <https://besparweb.com>
 - **Email:** ehsan.lesani.ai@gmail.com
 - **Phone (International):** (+1) 916-546-5478
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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

- 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
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 - 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 (2014).
 - Group paper on loan approval via neural networks (with instructor Dr. Zahedi) with Seminar.
 - 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.
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Last Updated: May 18, 2025