

Abolfazl Nasibi

B.Sc. Computer Science · Rasht, Iran

erfannsb@gmail.com · github.com/erfannsb · linkedin.com/in/erfannsb

PROFILE

I studied Computer Science at the University of Guilan, where I developed a solid foundation in algorithms, machine learning, and web development. During my undergraduate studies, I worked as a teaching assistant for several core courses and led projects spanning areas from Artificial Intelligence to Operating Systems. I enjoy tackling complex problems, exploring unfamiliar fields, and turning ideas into practical solutions.

Research focus: continual learning AI systems, with a focus on mitigating catastrophic forgetting.
Seeking: M.Sc. / Ph.D. position in Artificial Intelligence and Machine Learning — Fall 2027 — Germany · Europe · Canada.

EDUCATION

B.Sc. in Computer Science — University of Guilan Sep 2022 – Jul 2026

- GPA 17.17 / 20 · 136 / 136 credits completed · Top 10% of the cohort
- Key courses: Machine Learning (20), Artificial Intelligence (19.5), Design and Analysis of Algorithms, Data Structures and Algorithms, Operating Systems (20), Compiler Design (20), Database Systems (20), Principles of Software Design (20), Introduction to Data Mining, Numerical Linear Algebra, Statistical Methods, Linear Optimization, Computer Networks, Undergraduate Project (20)

High-School Diploma, Mathematics & Physics — Sampad Sep 2018 – Jun 2021

- GPA 19.15 / 20

EXPERIENCE

Co-Founder & Chief Technology Officer — Mehroban May 2026 – Present

- Co-founded Mehroban and lead its technical development as CTO, overseeing software architecture, engineering decisions, and the development of an integrated healthcare platform connecting patients with doctors, pharmacies, and healthcare services.

Teaching Assistant, Artificial Intelligence — University of Guilan Feb 2025 – Jun 2025

Supervisor: Prof. Eskandari

- Designed and developed a competitive programming platform where students register, submit and execute their algorithms, and compete on a leaderboard by solving the Traveling Salesperson Problem with Time Windows (TSPTW).

Teaching Assistant, Operating Systems — University of Guilan Sep 2024 – Jan 2025

Supervisor: Prof. Jamalian

- Developed the complete course lecture notes based on *Operating System Concepts* by Silberschatz, Galvin, and Gagne.

Teaching Assistant, Advanced Programming I — University of Guilan Sep 2024 – Jan 2025

Supervisor: Prof. Tabatabaei

- Created and delivered tutorial videos covering Django, its Model-View-Template (MVT) architecture, and foundational frontend development with HTML and CSS.

PROJECTS

Mehroban — Integrated Healthcare Superapp 2026 · mehroban.com

Co-founded and co-engineered a healthcare superapp as CTO, leading the overall system architecture. Built the backend and frontend ecosystem — APIs, user-facing apps and role-specific dashboards — integrating digital consultations, appointments, live healthcare maps, pharmacy services, patient records, and real-time communication.

Django · DRF · Next.js · React · React Native · PostgreSQL · WebSockets · Docker

TSPTW Arena — Competitive AI Algorithm Platform 2026

Live platform for university AI students to implement, submit, and benchmark algorithms for the TSP with Time Windows; submissions are evaluated on standardized instances and ranked on a shared leaderboard.

Python · Algorithm Design · Combinatorial Optimization · Backend Development

A Three-Dimensional Turing Machine 2026 · github.com/erfannsb/3d_turing_machine

Interactive 3D simulator of a deterministic Turing machine visualising tape operations, head movements, and state transitions in real time, with step-by-step execution and manual control.

React · TypeScript · Three.js · React Three Fiber · Zustand · Tailwind CSS

Mehrmux — OS Process Scheduling Simulator 2025 · github.com/erfannsb/Mehrmux

Educational simulator visualising process lifecycle, CPU scheduling, and queue operations across multiple scheduling algorithms.

Operating Systems · Process Scheduling · Algorithms · Simulation

NexTech — Computer Hardware E-Commerce Platform 2024 · github.com/erfannsb/NexTech

Open-source, end-to-end e-commerce platform for computer hardware with product discovery and catalogue management.

Full-Stack Development · Web Development · Open Source

SKILLS

Languages	Python, JavaScript, TypeScript, Rust, SQL, C / C++
ML & AI	PyTorch, NumPy / Pandas, scikit-learn, TensorFlow, NLP, Computer Vision
Backend	Django, Django REST Framework, REST APIs, WebSockets, Django Channels
Frontend	React, Next.js, HTML / CSS, Tailwind CSS, React Native, Three.js
Databases	PostgreSQL, Database Design, ORM, Data Modeling
DevOps & Tools	Linux, Docker, Git / GitHub, Nginx, Caddy, CI/CD, LaTeX

RESEARCH INTERESTS

Machine Learning · Continual Learning · Computer Vision · Natural Language Processing · Efficient Deep Learning · AI Systems Engineering · Algorithms and Data Structures · Systems Programming · Software Engineering · Operating Systems

LANGUAGES

Persian (native) · English (B2) · German (B1)