

MOEEIN AALI

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Education

Sharif University of Technology

September 2022 – January 2027 (Expected)

B.Sc. in Computer Engineering

Tehran, Iran

- Grade: 18.01/20.00
- Coursework: Software Engineering, UI/UX Design, Data Analysis, Artificial Intelligence, Machine Learning

Modarres High School

July 2019 – September 2022

Diploma in Mathematics and Physics

Tehran, Iran

- Grade: 19.92/20.00

Honors and Awards

National University Entrance Exam of Iran (Konkur)

2022

- **Ranked 34th** among more than 140,000 participants (top 0.03%)

Professional Experience

Yektanet Company

Software Engineer, Comeback (Full-time)

June 2026 - Present

- Led end-to-end development of **Comeback**, Yektanet's native-like Persian sports **PWA** serving over one million users: owned the **Next.js** architecture (SSR, offline **Service Worker**, installability, **TWA** Android release) and the **Go** services behind it, shipped continuously on **Bazel** and **Kubernetes**.
- Drove frontend performance and reliability: server-rendered critical pages, removed client-side loading flashes, tuned HLS video start-up, and instrumented **Core Web Vitals** and error alerting in **Prometheus/Grafana** to catch regressions in production.
- Built real-time and cross-platform experiences: **WebSocket** live scores and chat, push notifications across Android and iOS PWA, and a multi-sport UI layer that extended the product from football to volleyball and wrestling.
- Introduced AI into the product at low cost: moved comment moderation and news labeling from a general-purpose LLM to **Jev**, Yektanet's cost-optimized model, and built an **MCP server** and an automated **Remotion** video pipeline that let editors run content operations through AI agents.

Software Engineer, Uranus Business Line (Full-time)

January 2025 - May 2026

- Built the Uranus website in **Next.js** (SSG/SSR) with a custom component library, and its **Django/PostgreSQL** backend with an admin panel that let project managers launch campaigns and demos independently, at over 99% uptime.
- Developed a real-time analytics service (**Socket.io**, **Redis**) handling 1,000+ requests per second during peak campaigns, and a **Nest.js** price-data API serving Yektanet's live ads.

Front-End Engineer (Full-time)

July 2024 - January 2025

- At Uranus business line, which focuses on brand awareness advertising, I designed and developed interactive and creative ads using **HTML**, **CSS**, and **JavaScript** along with the powerful **GSAP library**. These ads generated millions of views and engagements through Yektanet campaigns.
- Enhanced Yektanet's interactive ads by integrating 3D animations using **Lottie.JS** and **ModelViewer**, delivering highly engaging and visually rich ad experiences. These advanced interactive ads were well-received by brands, generating millions of views and successful interactions. In one campaign, the engagement rate reached 15% over 150 times higher than the average CTR of standard Yektanet ads.

Zerang

Former Co-Founder & Software Engineer (Part-time) |  Website

February 2026 - August 2026

- Co-founded Zerang with the Sharif AI Products team — an AI study companion for Konkur students — owning end-to-end product engineering with a scalable, production-grade architecture rather than an MVP shortcut.
- Designed and shipped a native-like **PWA** from scratch in **Next.js** with a custom **Service Worker** for installability and cache management, so the web product feels and behaves like a real mobile app.
- Built the frontend architecture with **shadcn/ui**, **Zustand**, **Zod**, **React Hook Form**, and **TanStack Query**, and shipped a parallel **TWA** Android release for large-scale native delivery alongside the web client.

Academic Experience

Sharif University of Technology

Sep 2023 - Present

Teaching Experience

- Software Engineering Lab — Dr. Mirian · Summer 2026
- Database Design — Dr. Ramezani · Spring 2026
- Systems Analysis and Design — Dr. Ramezani · Fall 2025
- Software Engineering Lab — Dr. Mirian · Fall 2025
- Computer Networks — Dr. Dolati · Fall 2025
- **[Head]** Database Design — Dr. Ramezani · Spring 2025
- Web Programming — Dr. Poursoltani · Spring 2025
- Software Engineering — Dr. Rivadeh · Spring 2025
- Compiler Design — Mrs. Hosseinmardi · Spring 2025
- **[Head]** Fundamentals of Programming (Python) — Dr. Nazari · Fall 2024
- Web Programming — Dr. Poursoltani · Fall 2024
- **[Head]** Advanced Programming (Java) — Dr. Hosseinkhani · Fall 2024
- Advanced Programming (Django) — Dr. Habibi · Fall 2024
- **[Head]** Fundamentals of Programming (Python) — Dr. Kazemi · Spring 2024
- Engineering Probability and Statistics — Dr. Najafi · Spring 2024
- Fundamentals of Programming (C/C++) — Dr. Rivadeh · Spring 2024
- **[Head]** Fundamentals of Programming (Python) — Dr. Malekzadeh · Fall 2023
- Engineering Probability and Statistics — Dr. Najafi · Fall 2023

Micromaster Courses

Jan 2024 - Present

Teaching Experience

- **[Head]** Programming for Data Analysis — Dr. Sadeghzadeh · Summer 2025
- **[Head]** Advanced Programming (Java) — Mr. Farahnakian · Summer 2025
- **[Head]** Basic Computer Engineering Skills — Mrs. Hosseinmardi · Summer 2024
- Programming for Data Analysis — Dr. Sadeghzadeh · Winter 2024
- Data Structures and Algorithms — Prof. Ghodsi and Dr. Abam · Winter 2024

Member of Organizers Team

January 2024 - Present

- Worked on marketing and advertising strategies for various courses, implementing effective and extensive campaigns both digitally and through offline channels.
- Created visual content and promotional graphics for course marketing campaigns using Figma as the primary design tool.

Academic Service

Sharif University of Technology

Students' Guild Council

July 2024 - June 2025

- Member of Student Guild Council – Computer Engineering Department
- Member of Central Student Guild Council – Sharif University of Technology

Staff of Events

April 2023 - Present

- Head of Technical Team - 11th Winter Seminar Series (WSS)
- Member of Technical Team - 10th Winter Seminar Series (WSS)
- Technical Lead - 1st LLM-Agents Hackathon
- Technical Lead - Byte Publication
- Member of Technical Team - ICPC 2024
- Member of Technical Team - 2nd Codocodile
- Head of Social & Media Team - 10th Winter Seminar Series (WSS)
- Head of Social & Media Team - 9th Winter Seminar Series (WSS)
- Member of Media Team - ICPC 2023
- Member of Executive Team - ICPC 2022
- Head of Media Team - 2nd Codocodile
- Head of Social & Marketing Team - 1st Codocodile

- Chair of Staff - CE-Intro 1402
- Member of Scientific Team - CE-Intro 1403
- Member of International Marketing Team - Rayan AI Contest
- Member of Marketing Team - 1st Sharif Software Seminar Series (S4)
- Member of Media Team - HardWar 2025
- Member of Content Team - 1st ASM-Masters
- Content Writer - Byte Publication
- Graphic Designer - Byte Publication

Technical Skills

Languages: TypeScript, JavaScript, Go, Python, Kotlin

Front-End: Next.js, React, HTML, CSS, Tailwind CSS, PWA, Service Worker, TWA, Vercel

State & Data Fetching: TanStack Query, Zustand, Zod, React Hook Form, Axios, GraphQL, Apollo Client

UI & Motion: shadcn/ui, Ant Design, Material UI, Chakra UI, Bootstrap, Framer Motion, Remotion, GSAP, Lottie.js, ModelViewer, Three.js, DnDKit, React Flow

Back-End: Gin, Fiber, Django, Nest.js, Express.js, Fastify, FastAPI, Flask, WebSocket, Socket.io, GraphQL, Microservices

Data & Messaging: PostgreSQL, Redis, MongoDB, Elasticsearch, Kafka, NATS, Prisma, SQLAlchemy

Systems & Concurrency: Concurrency, Linux, Namespaces, cgroups, Processes & Threads, Networking, GDB, Compiler Design, Computer Architecture

DevOps & Tooling: Kubernetes, Docker, Bazel, GitHub Actions, Jenkins, Gerrit, Nginx, Git, AWS S3, Swagger, Postman, Metabase, FFmpeg

Observability: Prometheus, Grafana, Loki

AI & Data Science: LLM Integration & Cost Optimization, Jev, LiteLLM, MCP, AI Moderation & Labeling, LangChain, FAISS, RAG, Embeddings, Langfuse, NumPy, Pandas

Testing & Quality: Vitest, Jest, Storybook, ESLint, Prettier

Mobile: TWA, PWA, Kotlin, Flutter

Documentation & Design: Figma, LaTeX, Typst, Markdown, Docusaurus, Jekyll, Adobe Photoshop, Adobe Illustrator, Canva

Coursework

Data and Network Security	<i>Dr. M. Kharrazi and Dr. M. Amini</i>	20/20
Agile Software Development	<i>Dr. R. Ramsin</i>	20/20
Microservice Systems	<i>Dr. A. Abrishami</i>	20/20
Software Engineering	<i>Dr. M. Rivadeh</i>	20/20
Artificial Intelligence	<i>Mr. M. Samiei and Mr. M. Fereidooni</i>	20/20
Introduction to Machine and Deep Learning	<i>Dr. A. Sharifi-Zarchi</i>	20/20
Database Design	<i>Mr. M. Akhi</i>	20/20
System Analysis and Design	<i>Dr. M. Ramezani</i>	20/20
Web Programming	<i>Dr. A. Abrishami</i>	20/20
Mobile Programming	<i>Mr. M. Ahmadinik</i>	20/20
Advanced Programming	<i>Mr. H. Hosseinkhani</i>	20/20

Languages

Persian (Farsi): Native

English: Professional Working Proficiency