NIMA KHALILI

Computer Engineering Student — Sharif University of Technology | Web Development & Aspiring AI Engineer

Tehran, Iran | +98 996 015 1721 | dev.nimakhalili@gmail.com | Telegram: @nimakh06
nimakhalili.ir | github.com/NimaKhalili-06 | linkedin.com/in/nimakhalili

SUMMARY

Computer Engineering undergraduate at **Sharif University of Technology** (**GPA: 18.83/20**; **Rank 44** in the 2025 National Entrance Exam) with strong foundations in software engineering, object-oriented design, and mathematics. Experienced in shipping a live production full-stack web platform with Next.js, PostgreSQL, and Docker alongside Java/LibGDX desktop systems. Seeking an **Internship or Junior role** in Software Engineering, Web Development, or AI Engineering.

EDUCATION

Sharif University of Technology — Sep 2025 – Present

*B.Sc. in Computer Engineering — **GPA: 18.83 / 20.00** (Semesters 1 & 2)* — *Tehran, Iran*

- **Completed Coursework:** Fundamentals of Programming (C), Advanced Programming (Java), Discrete Structures, Digital Logic.
- **Current Coursework:** Data Structures & Algorithms, Linear Algebra, Engineering Probability & Statistics.

Shahid Babaei High School (NODET / Sampad) — Graduated 2025

High School Diploma in Mathematics & Physics (National Organization for Development of Exceptional Talents) — *Iran*

PROJECTS

Janiran Platform — Full-Stack Career Assessment & Analytics Web Application [Live: janiranyt.ir] — 2026

Next.js 16 (App Router) · React 19 · TypeScript · Tailwind CSS · PostgreSQL 16 · Drizzle ORM · Docker · Caddy

- Architected, built (utilizing AI-assisted engineering workflows), and deployed a live production youth career-guidance and psychometric assessment platform on a Linux VPS.
- Engineered a **45-endpoint REST API** and **23-table PostgreSQL schema** using Drizzle ORM, supporting **11 RBAC user roles**, 5 dedicated management/analytics panels, authentication, and a block-based News CMS.
- Implemented a **6-stage adaptive psychometric scoring engine** evaluating 380 constructs with dynamic theoretical score bounds, interactive Recharts visual reports, IP rate limiting, and 8 end-to-end (E2E) test suites.
- Containerized the production stack using a **4-stage non-root Dockerfile**, dedicated database migrator service, Caddy reverse proxy (automatic Let's Encrypt HTTPS/HSTS), health checks, and one-command Bash deployment.

Plants vs. Zombies — 2D Desktop Strategy Game (AP Course Team Project) [Source Code] — 2026

Java · LibGDX · Gradle · Object-Oriented Programming (OOP) · MVC Architecture · Git

- Co-developed a full-featured Plants vs. Zombies desktop game in Java with LibGDX and Gradle, enforcing strict **MVC separation** (`model`, `view`, `controller`) and Factory/Repository design patterns.
- Built real-time gameplay systems including tick-based game loops, 4 playable chapters, sun/wave/collision mechanics, quests, shop, greenhouse, leaderboard, and **3 playable mini-games** (Vasebreaker, Wall-nut Bowling, I, Zombie).
- Implemented persistent user profiles, session handling, and crash-safe auto-save serialization triggered through a **JVM shutdown hook**.

TECHNICAL SKILLS

Core Languages: Java, Python, C, PHP, HTML5, CSS3

Web & Databases (Hands-on): Next.js (App Router), React, TypeScript, Tailwind CSS, REST APIs, PostgreSQL, Drizzle ORM

DevOps & Tools: Git, GitHub, Gradle, Docker, Docker Compose, Caddy, Linux VPS Deployment

Core Concepts: OOP, MVC & Design Patterns, Data Structures & Algorithms, RBAC, AI-Assisted Engineering

HONORS & AWARDS

- **Ranked 44th (Top 0.03%)** among ~150,000+ participants in the Iranian National University Entrance Exam (Konkoor), Mathematics & Physics (2025).
- **First-Stage Qualifier**, Iranian National Chemistry Olympiad (10th Grade, NODET).

LANGUAGES

Persian: Native | **English:** Upper-Intermediate (Strong Technical Reading & Documentation Proficiency)