

Amir Matin Shahnazi

B.Sc. in Computer Science, Sharif University of Technology (Expected Feb 2026)

Email: shahnaziamirmatin@gmail.com | GitHub: matinshaah

Education

Sharif University of Technology, Tehran, Iran

Expected Feb 2026

Bachelor of Science in Computer Science

GPA: 18.68 / 20

Ranking: 7 / 44 (Top 15%)

Full Grade Report: [View Here](#)

Relevant Coursework

Introduction to Cryptography

Lattice-Based Cryptography

Data and Network Security

Theory of Computation (audited)

Probability and Statistics

Analysis of Algorithms

Numerical Analysis

Operating Systems

Computer Technology

Topics in Cryptology

Advanced Topics in Algorithms

Computer Networks

Automata Language Theory

Artificial Intelligence

Data Structures

Math Logic

Principles of Computer Systems

Database Design

Teaching Assistantships

- **Introduction to Cryptography** — Teaching Assistant
- **Data Structures** — Teaching Assistant; **Head TA**
- **Analysis of Algorithms** — Teaching Assistant
- **Computer Networks** — Teaching Assistant
- **Discrete Mathematics** — Teaching Assistant
- **Advanced Programming** — Teaching Assistant

Research & Academic Experience

Paper Review: *Post-Quantum Homomorphic Encryption: A Case for Code-Based Alternatives*

- Conducted literature review and analysis of post-quantum fully homomorphic encryption schemes.
- Compared code-based cryptographic constructions for security and performance.

Workshops & Training:

- Attendee, *School of Post-Quantum Cryptography*, Isfahan University, Ordibehesht 1404 (May 2025) — Attendance proof available.

- Attendee, *IPM Workshop on Post-Quantum Cryptography*, 2025 — Attendance proof available.

Work Experience

Software Engineer (Backend) — Tabdeal Crypto-Exchange, Tehran, Iran [Feb 2024 – Dec 2024]

- Developed and maintained backend systems for cryptocurrency exchange operations.
- Worked with blockchain-related data structures, APIs, and secure transaction processing.
- **Technologies:** Java, Go, Python, Django, Java Swing

Technical Skills

Programming: Java, Go, Python, R, Matlab

Frameworks/Tools: Django, JavaSwing

Concepts: Cryptography, Algorithms, Backend Development, Software Engineering

Languages

Persian (Native), English (C1 - Advanced)

Research Interests

Post-Quantum Cryptography; Lattice-Based Cryptographic Schemes; Fully Homomorphic Encryption; Data and Network Security