RZA MIRZAYEV

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Summary

Computer Systems student with a strong interest in backend development and machine learning. Skilled in Python, Java, SQL, Spring, and related technologies. I enjoy solving real-world problems through technology and creating reliable, effective solutions. I am always eager to learn and take on new technical challenges.

Technical Skills

- Languages & Frameworks: Java (Spring Boot), Python, C# (WinForms), HTML & CSS.
- Databases: PostgreSQL, MS SQL • Schema design & SQL tuning.
- Tools: Git/GitHub, Maven,
- Core CS: Algorithms & Data Structures, OOP.

Education

- BSc Computer Systems (Jun 2025) — Riga Technical University, Latvia | 2022 – present.
- Erasmus Exchange, Computer Engineering — Yildiz Technical University, Turkey | Feb 2024 – Jan 2025.

Projects

- Deep Learning Gomoku Engine — Python, PyTorch | 2025 (BSc thesis)
  - Developed sophisticated Residual CNN (policy & value heads) trained on 5 million board states, reaching 59 % accuracy on unseen data after 20 epoch.
    - Neural network-guided search for strategic move selection.
- HandMouse – Vision-Based Cursor Control — Python, OpenCV | 2025
  - Real-time hand-gesture cursor (pinch-click, V-sign) from webcam.
  - Customizable GUI with live preview.
- AI Recipe Recommender — Python, GPT-3.5 | 2024
  - Hybrid GPT-3.5 + collaborative filtering engine; dietary filters & feedback loop.
- Wedding-Planner (ongoing) — Java , Spring Boot | 2025
  - Platform for guest, RSVP, budget & task management.

Certificates & Activities

- Raccoon Hackathon (Oct 2023).
- STEM Education Volunteer (Jan 2022).

Languages

- Azerbaijani — Native; English — Fluent; Turkish — Fluent; German — Basic