NARGES NAGHAVI

software engineer

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PROFILE

Curious developer exploring the intersection of computation, design, and learning. Experienced in Django and frontend development, with a passion for building systems that visualize complexity and human interaction.

WORK EXPERIENCE

Full-Stack Developer | One-Dimensional Cellular Automata Simulator

april 2025- Present

Tech Stack: Python, Django, JavaScript, HTML5, CSS3, REST API, Git

- **Designed and developed an interactive simulator for one-dimensional cellular automata (e.g., Rule 110).**
- **Built a user-friendly UI/UX with dynamic step-by-step visualization and click-based interactions.**
- **Implemented backend computation and API using Django.**
- **Published the project on GitHub as an open-source educational tool.**
- **Currently extending the project to support Quantum Cellular Automata and evolutionary game simulations (Hawk and Dove).**

Intern – Backend Developer & QA | Project "Emza"

University Internship Project — 2024

Tech Stack: Python, Django, Django REST Framework, PostgreSQL, Git, Postman

- **Contributed to the development of a digital signature and employee authentication system.**
- **Wrote and analyzed Use Cases and functional requirements.**
- **Developed and tested RESTful APIs using Django REST Framework.**
- **Conducted manual and API testing via Postman.**
- **Collaborated effectively in a team-based environment under agile principles.**
- **Used the project as a learning platform to deepen backend and testing skills.**

EDUCATION

Azad North-Branch University

2021 - now

Bachelor of computer engineering

SKILLS

- **Strong teamwork and collaboration in agile environments**
- **Excellent communication and teaching abilities (TTC-certified instructor)**
- **Analytical thinking and attention to detail**
- **Problem-solving mindset and adaptability**
- **Curiosity for learning and exploring new technologies**
- **Creativity in design and visualization of complex systems**

- **Programming: Python, JavaScript, HTML5, CSS3**
- **Frameworks & Tools: Django, Django REST Framework, Git, Postman**
- **Databases: PostgreSQL, SQLite**
- **Web Development: REST API design, Frontend UI/UX design, Interactive web apps**
- **Testing: Manual & API testing, Use Case analysis, QA processes**
- **Other Tools: Poetry, VS Code, GitHub, Agile workflow**