



Afsaneh Hassanisaleh

Backend Developer |
Python & Django
Specialist

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professional summary

Analytical and detail-oriented Backend Developer with a PhD in Mathematics (Geometry & Topology) and practical experience in Python and Django web development. Skilled in building RESTful APIs, managing databases, and improving backend performance. Also familiar with front-end technologies such as HTML, CSS, and JavaScript. Experienced in using Docker and Git for efficient, collaborative development. Additionally, possess foundational knowledge in machine learning and data analysis, eager to apply these skills in real-world projects. Passionate about creating scalable and high-performance backend systems for modern web applications.

Skills

- **Programming:** Python, Django, Django REST Framework, PHP, Laravel
- **Frontend:** HTML, CSS, JavaScript
- **Databases:** PostgreSQL, SQLite, MySQL, Django ORM
- **Tools & DevOps:** Git/GitHub, Docker, Docker Compose
- **API Development:** RESTful API design & integration
- **Other:** Problem solving, Clean code principles, Agile/Scrum workflow

Projects

- <https://theafsaneh-hassani.ir/>
[GitHub Repository](#)
Developed a full-featured web application using Django framework.
Designed database models and implemented dynamic views and templates.
Built CRUD functionalities with Django ORM and form handling.
Configured URL routing, static files, and authentication modules.
Managed project environment using virtualenv and requirements.txt.
- <https://afsanehnexus.ir/>
[GitHub Repository](#)
Developed a Django-based web application showcasing core full-stack skills including user authentication.
Implemented custom user registration and login/logout flows,

alongside protected dashboard access for authenticated users.
Built structured apps (e.g., accounts, blog), set up models, views, templates, static and media file handling.
Configured and managed URL routing, ORM data handling (CRUD operations for blog content), and Django admin customization.

- <https://afsane-hassani.github.io/simpleproject/>
[GitHub Repository](#)

Developed a responsive single-page website using HTML and CSS.
Designed and implemented sections like menu, about us, reviews, and contact for clear user navigation.

Deployed the site on GitHub Pages for live access and portfolio presentation.

Demonstrated ability to create clean, user-friendly static front-end projects.

Education

PhD in Mathematics (Geometry & Topology)

University of Yazd, Yazd, Iran, 2014 – 2023

- Research focused on Geometric Optics, Dynamical Systems, Computational Geometry, and Geometry in Topology and Physics
- Developed strong analytical thinking, mathematical modeling, and research skills useful in computational and software problem-solving
- Served as a teaching assistant in undergraduate mathematics courses,

M.Sc. in Mathematics (Geometry and Topology)

University of Yazd, Iran, 2011–2013

- Research focus on dynamical systems, modeling of the three-body problem, and applications of geometry in topology and physics.

B.Sc. in Applied Mathematics (Industrial Mathematics)

Shahid Bahonar University of Kerman, Iran, 2007–2011

- Research focus on dynamical modeling in biology and population dynamics.

Experience

University Lecturer

Kerman National University of Skill and other universities — 2014 – Present

- Teaching Mathematics and Engineering courses (Calculus, Statistics, Discrete Math, Differential Equations).
- Enhanced analytical thinking and problem-solving skills applicable to software development.

Technical & Financial Expert

Omran Mokran Development Company — 2023 – Present

- Managing data and reports in technical and financial departments.
- Contributing to process automation and internal tool development using Python.

Publications

1. H. Khorshidi, A. Hassani-Saleh, "A New Formulation For Reflection of a Point in a Parametric Curved Mirror", 4th Iranian Conference on Mathematical Physics, Qom university of technology, 2020.
2. H. Khorshidi, A. Hassani-Saleh, "Reflection of rays on connected flat reflectors and parametric curved mirrors", Mathematics Interdisciplinary Research, 2023, (10.22052/MIR.2023.248712.1388).

Languages

- English (Professional proficiency)
- Persian (Native)