

# Sasan Vahidinia

Hannover, Germany

+49 176 80713289 | vahidinia.sasan@gmail.com | themagicalmammal.vercel.app | sasanvhn | sasan-vahidinia/

## Education

### University of Hildesheim

MSc in Data Analytics

Hildesheim, Germany

Oct 2024 - Current

### University of Shiraz

MSc in Data Analytics, ML  
BSc in Computer Engineering

Shiraz, Iran

Oct 2018 - Sep 2023

- **Areas of Interest:** Software Engineering, Web Development

## Work Experience

### Top Super Application

Shiraz, Iran

Back-End Developer Intern

March 2023 - May 2023

- Helped migrate and optimize backend services from Django to FastAPI, improving web application API performance and database efficiency.
- Redesigned and transitioned backend modules from Django to FastAPI, applying Python expertise and problem-solving skills under the backend lead supervisor.
- Worked closely with a small team to migrate backend services from Django to FastAPI, improving system speed and optimizing database performance.

### Software Development Laboratory of Persian Gulf University

Remote

Android Developer Intern

June 2022 - Sep 2022

- Developed a local Twitter clone using Flutter, implementing core functionalities like user authentication, posting, and real-time updates to enhance user engagement.
- Learned and applied UML diagramming and pre-planning techniques to design the app structure before development, improving project organization and clarity.
- Gained hands-on experience in software development workflows, improving problem-solving skills and understanding the importance of structured planning in mobile app development.

## Leadership Experience

### Principles of Database Design Course

Shiraz, Iran

University of Shiraz

Oct 2022 - Jan 2023

- Guided and mentored students in understanding complex database concepts.
- Led discussions or lab sessions, managed a group of students, and Facilitated learning by breaking down complex topics and ensuring clarity.

## Projects

### Document Formatting Automation System

Shiraz, Iran

University of Shiraz

Mar 2023 - Sep 2023

- Built a tool to check and correct document formatting based on university standards, automating compliance and reducing manual errors.
- **Technical Skills:** Python, Pandas, Regex, File Handling.

### Patient & Hotel Management Systems

Shiraz, Iran

University of Shiraz

Jan 2023 - Apr 2023

- Developed a management system for handling patient records and hotel reservations.
- **Technical Skills:** Flutter, SQL, API Integration, Database Design.

### Local Twitter Clone

Shiraz, Iran

University of Shiraz

Jun 2022 - Sep 2022

- Developed a social media application with user authentication, real-time posting, and local database storage.
- **Technical Skills:** Flutter, SQLite, State Management, API Integration.
- **Soft Skills:** Teamwork, UI/UX Understanding, Debugging.

## Skills

### Programming

Python (Pandas, PyTorch, NumPy, Scikit-learn. etc.), Flutter, React, dart, C/C++, HTML/CSS, JavaScript, SQL

### Languages

English (Fluent), German (Basic), Persian (Native)

### Interests

Full-Stack Development, Blockchain, Data Analytics, React, Flutter, Strategy-Based Video Games, Football, Cinema

References available upon request.