


# Hasan Beker


## Data Scientist

## AI Engineer

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 <https://github.com/HasanBeker2>

 [https://www.xing.com/profile/Hasan Beker](https://www.xing.com/profile/Hasan+Beker)



- Expert in AI and machine learning, specializing in the development of applications and chatbots using RAG and pretrained LLM models such as Meta/LLMA, MistralAI, Microsoft/Phi-1.5, Nvidia/LLMA, along with OpenAI API and Gemini API.
- Certified in IBM Data Science and Data Analyst programs, with robust skills in software development and testing.
- Proficient in Python, Java, and JavaScript; skilled in AI frameworks like TensorFlow, PyTorch, and OpenCV.
- Experienced in agile methodologies, excelling in cross-functional team collaboration to align technical solutions with business objectives.
- Proven track record of leveraging the latest AI advancements to enhance operational efficiency and customer engagement.



## Education

**Robotic Process Automation Certificate** Jan 2024 - Mar 2024  
UiPath-Online

**IBM Data Science Professional Certificate** Agu 2023 - Jan 2024  
IBM - Online

**IBM Data Analyst Certificate** Jun 2023 - Nov 2023  
IBM - Online

**Data Analytics Professional Certificate** Mar 2023 -Agu 2023  
Google - Online

**React Native Developer Certificate** Dec 2022 -May 2023  
Meta (Facebook) - Online

**Software Development Engineer in Test Certificate** Feb 2020 - Sep 2020  
CYDEO -Tysons, Virginia, USA

**Master of Science in USA** Jun 2013 -Jun 2015  
Modeling, Virtual Environments and Simulation (CS)  
NPS- Monterey, California, USA

**Bachelor Degree** Agu 2002 - Agu 2006  
Systems Engineering  
Turkish Military Academy -Ankara, Turkey

## Expertise Skills

**Programming Languages:** Python, Java, Javascript

**Python Libraries:** Pandas, Numpy, Matplotlib, Seaborn, Plotly, Scikit-Learn, Folium, Wordcloud

**Machine Learning Frameworks :** Tensorflow, Pytorch, OpenCV

**Data Analysis Tools:** R, SQL, Excel

**Databases:** MySQL, Microsoft SQL , BigQuery

**Visualization Tools:** Tableau, Power BI, Cognos

**Web Development Tools:** React, Wordpress

**Web Scraping Tools:** Selenium, Beatiful Soup

**Design Tools:** Figma, Adobe Photoshop, Canva

**Project Methodologies:** Agile, Waterfall

**Collaboration Tools :** Jira, Trello, Github

**Generative AI Tools:** ChatGPT , Dalle-3, Midjourney

**AI and LLM Techs:** RAG, Langchain, Hugging Face



## Language Skills

- **English** | Business fluent
- **German** | Advanced
- **Turkish** | Native Speaker



## Hobbies

- Skiing
- Cooking
- Building robots with Arduino



## Job Experience

### Business Analyst and eCommerce AI Strategist (Internship)

#### gowoll.de GMBH

- Developing an AI chatbot for eCommerce to enhance customer communication, using advanced natural language processing for efficient, personalized support.
- Analyze sales, customer behavior, and market trends data to extract actionable insights, helping to drive informed business decisions.
- Developed and integrated an RPA system, automating the ERP system to streamline sales platform processes and enhance operational efficiency.

### Moving to Germany

#### German Language Courses and Voluntary Works

### Volunteer Robotic and Coding Tutor

#### Freelancer

- Delivered both online and on-site instruction in robotics and coding.
- Utilized platforms such as Scratch, code.org. and Arduino for educational purposes.

### Social Media Marketing Specialist

#### Freelancer

- Drove sales growth for 20 companies through Facebook Ads and impactful video production.
- Utilized data analysis to optimize campaigns and increase visibility on social media

### Digital Marketing Analyst (Remote)

#### buy4store.com INC

- Utilized Facebook Analytics and Google Analytics tools for campaign management.
- Achieved an 8% sales increase within a 6 month period using these analytic tools.
- Leveraged data analyses to gain valuable insights into sales trends and customer behavior.

### Digital Marketing Specialist

#### Beta Translation and Consultancy

- Specialized in the creation of engaging WordPress websites.
- Harnessed Google Analytics for insightful data analysis.
- Identified translation job opportunities through data-driven strategies.

### System Engineer

#### National Defence Ministry

**Gießen, Hessen, Germany**

November 2023 - June 2024

**Lich, Hessen, Germany**

Sep 2020 - November 2023

**Athens, Greece**

Oct 2019 - Sep 2020

**Ankara, Turkey**

Jan 2019 - Sep 2019

**Los Angeles, California, USA**

Jun 2018 - Jan 2019

**Ankara, Turkey**

May 2017 - May 2018

**Turkey**

Jun 2006 - Apr 2017



## Volunteering

For the past one year, I have been providing voluntary robotic coding lessons to a group of children between the ages of six and fourteen in an association located in the city of Lich. You can view the article about me that appeared in the Gießener Allgemeine newspaper at the following address:

<https://www.giessener-allgemeine.de/kreis-giessen/lich-ort848773/kindgerechtebegegnung-mit-der-robotik-92115773.html>



## Publications

My Master of Science thesis topic is "Simulating mission command for planning and analysis" in the field of Modeling, Virtual Environments, and Simulation (Computer Science). The thesis is available at the link

<http://hdl.handle.net/10945/45813>

This thesis aimed to develop a mission planning simulation using Java, Excel, and R App for data analysis. Objective: optimize mission planning by prioritizing critical factors for enhanced efficiency in time and resources.