

Harsh Mukhiya

Frankfurt am Main, Germany

Email: ha981muk@gmail.com

Phone: (+49) 01578 6606706

LinkedIn: www.linkedin.com/in/ha981muk

Portfolio: ha981muk-git.github.io

EXPERIENCE

Sanofi-Aventis Deutschland GmbH

Frankfurt am Main

Artificial Intelligence and Deep Learning Intern

Aug 2024 - Nov 2024

- Spearheaded development of automated AI workflows using Netflix's Metaflow framework, significantly reducing model development time for drug discovery applications.
- Architected scalable data pipelines integrating RDKit and PyTorch, processing over 1,000,000 pharmaceutical compounds with high accuracy.

Data Analyst

Aug 2023 - Oct 2023

- Led data analysis initiatives for insulin production optimization, resulting in significant improvements.
- Analyzed and visualized insulin production data using Python, Matplotlib, and Seaborn for stakeholder presentations.
- Implemented statistical analysis methods that identified key production optimization opportunities.

Software Developer

Feb 2023 - Apr 2023

- Engineered full-stack applications using Flask and JavaScript HTML5, CSS, leading to increased user engagement.
- Developed RESTful APIs handling multi-threaded 1000+ requests/minute with high availability.
- Optimized database queries, reducing response time by 40% for high-traffic endpoints.

SKILLS

Programming	Python (Advanced), JavaScript (Intermediate), Java, C/C++, SQL
Machine Learning	PyTorch, Scikit-learn, Metaflow
Data Science	Pandas, NumPy, Matplotlib, Seaborn, Excel, Statistical Analysis
DevOps & Tools	Git, Conda, Linux CLI, Bash-Script, RDKit
Web Development	Flask, HTML5, CSS3, RESTful APIs
Certifications	ML Fundamentals(2021), Web Security(2025), Gold Level in Python(2024)
Languages	German (C1 - Fluent), English (C1 - Fluent)

PROJECTS

IoT Gaming with Python and Embedded Systems

Mar 2023 - Jul 2023

- Architected wireless gaming system using IoT sensors, achieving low-latency real-time gameplay.
- Implemented real-time data processing pipeline handling multiple sensor inputs per second.

Medical Imaging Machine Learning System

Mar 2021 - Sep 2021

- Developed tumor detection system with high accuracy on medical imaging datasets.
- Engineered data preprocessing pipeline handling thousands of X-ray images.

EDUCATION

Frankfurt University of Applied Sciences

Frankfurt am Main

Bachelor of Science in Computer Science, Focus: Software Engineering

Mar 2020 - Present

Studienkolleg Hochschule Konstanz

Konstanz

German High School Diploma, Focus: Mathematics and Technology

Mar 2019 - Feb 2020