HARSH MUKHIYA

Artificial intelligence & Software Development

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EXPERTISE

Python Development
AI/ML Development
Data Analysis
Full-Stack Dev
MS-Office

TECH STACK

- **AI/ML:**
  PyTorch, Scikit-learn, Metaflow
- **Languages:**
  Python, JavaScript, Java, SQL
- **Data Science:**
  Pandas, NumPy, Matplotlib, Seaborn, Excel
- **Full-Stack Development:**
  Flask, HTML5, CSS3, RESTful APIs
- **Tools:**
  Git, Conda, Linux CLI, Bash-Script

CERTIFICATIONS

Artificial Intelligence Intern — Sanofi - 2024
ML Fundamentals in Python—DataCamp - 2021
Gold Level in Python — HackerRank - 2024
Web Security Training — Hackplaining - 2025
Fundamentals in SQL — HackerRank - 2022

EDUCATION

B.Sc. Computer Science — 2020 - Present
Frankfurt University of Applied Sciences

German High School Diploma — 2019 - 2020
Studienkolleg Hochschule Konstanz

LANGUAGES

German (C1) — English (C1)
Nepali (Fließend) — Hindi (Fließend)

PROFESSIONAL-EXPERIENCE

AI Development (Mandatory Internship)
Sanofi-Aventis Deutschland GmbH — 2024

- Developed automated AI workflows using Netflix's Metaflow
- Built scalable pipelines for processing over 1M biomolecules using 20+ AI models
- Optimized GPU-accelerated training workflows
- Implemented version control and experiment tracking

Data Analyst — 2023

- Led insulin production optimization initiatives
- Performed statistical analysis using Python
- Created data visualizations for stakeholders

Software Developer — 2023

- Built full-stack applications with Flask
- Developed high-performance RESTful APIs
- Implemented front-end features with dynamic, responsive interfaces, improving UX.

FEATURED PROJECTS

IoT Gaming Platform

- Built real-time wireless gaming system
- Implemented low-latency data processing
- Supported multi-player simultaneous gameplay

Medical Imaging ML System

- Developed tumor detection system
- Created image preprocessing pipeline
- Implemented validation framework reliable performance