



Shawon Kumar Mondal

@ shawon.eee.edu@gmail.com, ☎ +49 17640423790,
📍 Bntentorsteinweg 396, Bremen, 28201, Germany.
🌐 [LinkedIn](#) | [Hugging Face](#) | [Portfolio](#)

Resume Summary

AI Engineer and Data Scientist skilled in developing AI-driven solutions, machine learning, computer vision, and NLP, with a strong focus on optimizing workflows and delivering actionable insights.

• Work Experience

July 2024-
August
2024

AI and Data Analyst Intern | MEKOS GmbH, Bremen

- Analyzed transaction volumes, station locations, and competitor data using dBeaver SQL and OpenStreetMap.

Identified strategic expansion zones, delivering a report graded 1.0 (6 ECTS).

- **Tools:** dBeaver, Pandas, Numpy, OpenStreetMap, Google Maps API

July 2022-
December
2023

Student Assistant in AI | MERENTIS GmbH, Bremen

- Developed and deployed a Rasa-based chatbot to automate ticket generation for printer issues, streamlining IT workflows.
- Built a document processing pipeline with LayoutLM and Donut, reducing manual effort in extracting data from German invoices. Contributed to a public dataset publication on Hugging Face.
- Scraped and analyzed vegan product trends using BeautifulSoup, Selenium, and Scrapy, providing insights for business strategies.

- **Tools:** Python, Pandas, Selenium, Scrapy, Power BI, LayoutLM, EasyOCR.

Personal and Academic Projects

August
2022-
December
2024

- **Master's Project "Low-Light Image Enhancement using MIRnet" (March 2023 – December 2024)**

Developed a CNN-based MIRnet model to enhance image quality in low-light conditions, improving robotic arm precision. Presented findings in a report and presentation, earning a grade of 1.3 (18 ECTS).

Tools: Python, TensorFlow, OpenCV

- **Data Matrix information Extraction with YOLOv8 (August 2022-January 2023)**

Built a YOLOv8-based system to extract data matrix information from multi-page documents, reducing processing time significantly.

Tools: Python, YOLOv8

Education

Master's in Communication and Information Technology,
University of Bremen, Germany | May 2021 – Present

Focus: Machine learning for terrestrial and non-terrestrial networks, 5G, and 6G

Bachelor of Science in Electrical and Electronic Engineering,
Ahsanullah University of Science and Technology, Bangladesh | October 2014 - December 2018

Publication: Analysis of Performance-Improvement Microstrip Antenna at 2.45 GHz Through Inset Feed Method

Technical Skills

Machine Learning & Deep Learning: supervised, unsupervised, CNN, GANs, transformers, TensorFlow.

Computer Vision: Object detection, OCR, layout analysis, OpenCV, YOLOv8, EasyOCR, LayoutLM

Natural Language Processing (NLP): Text classification, information extraction, document annotation, Rasa, spaCy

Data Analysis & Visualization: Pandas, NumPy, Matplotlib, SQL , Power BI

Software Development: Python, Matlab

Soft Skills

Leadership, Problem-solving, Team Collaboration, team collaboration, adaptability, and Communication

Languages

English : Full Professional Proficiency

German : Limited Working Proficiency (B1)

Bengali : Native Proficiency

Interests

Street Photography, Backpack Traveling, Cinematography