GABRIELA KACZMAREK

E- moi l:

Phone:
LinkedIn:

ABOUT ME

My greatest passion lies in applying AI in medicine to genuinely improve **service** quality **and streamline processes. I am** currently conducting **research on** using **large** language **models** (LLMs) for data extraction from **emergency** department **records. I continuously** expand my technical **expertise** and **actively** contribute to international **research** projects.

EDUCATION

MASTER'S IN BIG DATA MANAGEMENT & ANALYTICS   BDMA I 09.2023 - 06.2025
Master's programme organized by international con sortium. Selected projects include:
- Protein function prediction — biological data ana lysis, bioinformatic s
- Acoustic signal classification using CNNs and spectrogram- based features

BACHELOR'S IN INFORMATICS   Gdonsk Tech I JO.20J8 - 02.2023
Thesis: Development ofa training environment for cla ssifiers ba sed on the concept of federated learning. Co se study: breast ultrasound image classifier on the BI- RADS scale.

ATTENDED SUMMER SCHOOLS
MLSS Krak6w 2022 & 2023, EEML 2022, eBiss 2024

ORKEXPERlENCE

RESEARCH INTERNSHIP   Fondazione Bruno Kessler | 03.2025 - current
- Research on the use of LLMs for structuring emergency department patient records
- Participant in the European project eCREAM
- Presented technical finding s toa multidisciplinary consortium

AUDIO ENGINEERING INTERNSHIP   Intel I 07.2022 - 05.2024
- Co-a uthor ofa publication ona Sca lable Wave Field Synthesis system using the Dante protocol, covering the concept, design, implementation, and evaluation of the solution. Presented at AES Europe, Madrid, 2024.

R&D PROJECTS INVOLVEMENT   Gdonsk Tech 1 0 5.2021 - J2.2021
- Preparation of input data for image model training
- Testing ofa data annotation tool
- Manual an notation of image data

CERTIFICATE S

IP MA- D PROJE CT MANAGE ME NT CE RTIFICATE — IPMA Po ta nd ₁ 2024

Developed forma l un der st and ing of project definition processes, inc lu ding setting goal s, sp ecify in g requir ement s, and identifying risks.

PROFE S SIONAL DATA SCIE NCE COU RSE — E PA M Sy ste ms | 10.2022 - 05.2023

Deep lea rning, data explor ation, NLP, Python (inc lud in g Panda s, Sc ikit— lea rn, NumPy)

PRO7ECTS

MEDICAL IMAGE DATA PROCESSING RESEARCH – EXPE RIMENT DESIGN — Gdo n sk Tec h ₁ 05.20 22 — 09.20 23

Led the pl anning and definition phase of a resea rc h project in collaboration with the Medical Univer sity of Gda ń sk, a iming to develop a computer vision sol ution for scanning c yt ology images and identifying diagno stica lly r elevant areas to improve onalysi s eff icienc y.

FE D E RAT E D LEAR NING PRIVACY RESEARCH — eB is s 2024 I 07.2024

Analy sis of state- of—the—a rt method s for mitigating r econst r uction attacks in federated learning, with a focu s on d iller ential privacy. Presented at the European Big Data Management 6‹ Analytics Summer S cho ol.

ACHIEVEMENTS

KPMG AI CHALLENGE WINNER — KPMG Ita lia | 0 5.2025

For the purpo seful use of LLM s in the student project Vimini (with in Enactu s programme)

NATION WIDE NTDD SCHOL ARSHIP — Inte l & Perspektywy Fo und at i on I 10.2021

l or 25 b est STEM studen t s in Pol and

TOP T0 STUDENTS RECOGNITION AWARD — Hu owei Po lsko I 11.2021

for performance in AI an d 5G knowledg e te sts with in Seed s for th e Future progra mme.

LANGUAGES

- Polis h: native
- English: C1/C2