



## Profile

Backend-focused Data Science student with experience across enterprise IT architecture support, research computing, and data-intensive software systems. Strongest interests include backend engineering, analytics workflows, and practical machine learning.

## Education

- 2023–09/2026 **Bachelor of Data Science**, *Katholische Universität Eichstätt-Ingolstadt*, Ingolstadt  
2019–2023 **IT Specialist**, *Mikołaj Kopernik Telecommunications Technical School*, Poznań

## Experience

- 03/2026–Present **Working Student – IT Architecture Support**, SIEMENS, Germany
- Created and maintained solution architecture overviews and related documentation in a large-scale enterprise IT environment.
  - Assisted with analysis of IT system landscapes and business processes to identify optimization opportunities.
  - Prepared reports and presentations that supported architecture decision-making and stakeholder communication.
  - Researched current trends in IT architecture and cloud platforms.
- 01/2026–Present **Student Assistant**, KATHOLISCHE UNIVERSITÄT EICHSTÄTT-INGOLSTADT, Germany
- **Student research assistant:** Supported the Geography research group with HPC and research workflows on the FAU cluster (Linux/SLURM), including access setup, data transfer, execution support, and troubleshooting.
  - **Documentation:** Wrote user-facing guidance for SSH access, remote execution, and cluster usage for non-technical researchers.
  - **Conference website:** Developed and helped host and maintain the SampTA conference website, supporting updates and ongoing web operations.
- 08/2025–10/2025 **Data Science Intern**, KIMBALL ELECTRONICS, Poland
- Supported IT operations and contributed to database development through SQL optimization, triggers, and stored procedures.
  - Analyzed production-adjacent datasets related to scrap/repair, forecasting, and packaging processes.
  - Built proof-of-concept ML prototypes, including Repair vs. Scrap classification and TopLineForecast.
  - Designed a proof-of-concept application for Repair vs. Scrap predictions and improved processing reliability by refining trigger logic and workflows.
  - Worked in Agile (Scrum/Kanban) with Azure DevOps/Git and delivered technical presentations to mixed technical and business audiences.

Ingolstadt – Germany

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## Skills

Programming	Python, TypeScript, SQL, JavaScript
Web	React, Next.js, Node.js, FastAPI, Flask, REST APIs
Data & ML	Pandas, NumPy, Scikit-learn, SciPy, Machine Learning, Model Evaluation, Matplotlib, Seaborn, Plotly
Data & Tools	PostgreSQL, SQL Server, Redis, Docker, AWS, Azure DevOps, HPC (SLURM), PowerBI, ETL Pipelines, Data Warehousing
OS	Linux (Bash, SLES), macOS, Windows
Certification	SLE201 SUSE Linux Enterprise Server Administration (SUSE Academic Training Program, 09/2021)

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## Projects

### PageRank-Based Analysis of Scientific Papers [Code]

- Built a scalable framework for bibliometric analysis using the PageRank algorithm to assess research influence across millions of papers.
- Developed a distributed crawler for Semantic Scholar data, implementing robust storage with PostgreSQL and Redis.
- Added fault-tolerant task handling and monitoring to support large-scale crawl execution.
- Engineered a custom PageRank workflow on an HPC cluster, enabling large-scale computations with monitoring via FastAPI.

### MSIT-Hotel-Booking [Live] [Code]

- Built a bilingual hotel booking platform with customer and admin flows for a bleisure-focused property concept.
- Implemented booking lifecycle management, waitlist handling, and stay-management flows.
- Developed dashboard views for occupancy and revenue tracking.
- Used Next.js, React, TypeScript, Supabase, and PostgreSQL with row-level security.

### Personal Portfolio Website [Live] [Code]

- Designed and built a personal portfolio website to present experience, projects, technical skills, and a downloadable CV.
- Developed a responsive single-page frontend with React, TypeScript, and Vite using reusable, content-driven components.
- Structured the site around maintainable project, skills, and experience sections for a polished developer-facing presentation.

### KULTour [Code], Hackathon Winner (Best Open Source)

- Built a travel recommendation app in a 24h hackathon (Tourism Technology Festival, Salzburg).
- Implemented an ML-based recommendation approach for tourism personalization.
- Built an interactive map UI for route and point-of-interest exploration.

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## Activities & Involvement

### Data Science Student Council

- Contribute to student representation and communication around program-related topics.
- Help organize student events and support council activities within the program.

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## Languages

Languages **Polish** (Native)   ▪   **English** (C1)   ▪   **German** (A2)

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