

Pratiksha Manik Patil

Address: Erlangen, Germany
Phone: +49 15567 049069
Email: pratikshaa1601@gmail.com
LinkedIn: linkedin.com/in/pratikshaa1216

Languages: English (C1), German (B2) | **Work Authorization:** Germany / EU

EXPERIENCE

Schaeffler Group — Erlangen, Germany
HR Advanced Analytics & Data Scientist — Aug 2026 – Present

- Integrated HR data from **SAP SuccessFactors**, **Excel**, **SharePoint**, **SQL**, and **Snowflake**, improving data consistency and reducing manual data preparation by approximately **40%**.
- Developed automated **Azure Data Factory** ETL/ELT pipelines across **Azure Data Lake Storage**, **Azure Synapse Analytics**, and **Snowflake**, reducing recurring data-processing effort by **30%**.
- Cleaned, validated, and transformed **200,000+ HR records** using **Python**, **SQL**, and **PySpark** in **PyCharm**, improving data quality and analytical readiness.
- Performed exploratory and statistical analysis to identify workforce trends, anomalies, and key drivers, supporting data-driven HR decisions.
- Built interactive **Power BI** dashboards and **DAX** measures for **3,000+ employees**, reducing recurring reporting effort by approximately **50%**. Managed requirements, development tasks, and project progress using **Jira** in an **Agile** environment.

Siemens Healthineers — Erlangen, Germany
Data Analyst & AI Solutions Specialist – Intern & Working Student — May 2023 – Jul 2026

- Built **Power BI** dashboards with live data connections, delivering business insights to more than **1,000 users** across multiple departments.
- Engineered and containerized automated **Snowflake** data pipelines using **Python**, **SQL**, and **Docker**, reducing data redundancy by **18%** and improving operational efficiency by saving approximately **8 hours per week**.
- Developed internal applications using **Power Apps** and **Power Automate**, connecting three teams and streamlining processes for more than **2,000 users**.
- Developed an AI-assisted research solution using **Copilot Studio**, **Power Automate**, and **SharePoint**, with automated validation, JSON reporting, request tracking, and PII-free data storage.
- Evaluated an internal **RAG chatbot**, identifying hallucinations in **55%** of evaluated responses and conducting structured error analysis to uncover recurring failure patterns.

Machine Learning and Data Analytics Lab, FAU Erlangen–Nürnberg — Erlangen, Germany
Student Research Assistant — Nov 2023 – Apr 2026

- Contributed to end-to-end **machine learning projects**, including data preprocessing, exploratory and statistical analysis, model training, and evaluation using **F1-score** and **PR-AUC**.
- Developed reproducible **Python evaluation pipelines**, implemented data-validation and preprocessing rules, and documented model comparisons and experimental findings in structured reports.

Infineon Technologies — Munich, Germany
Data Scientist – Working Student — Jan 2023 – Apr 2023

- Developed a freight-train **ETA prediction model** in **Python** using **AWS SageMaker**, achieving **91% punctuality accuracy** and a mean absolute error of **12 minutes**.
- Processed **28 million records**, automated the machine learning workflow using **Kubernetes**, and built **Power BI** dashboards for delay, route, and data-quality analysis.

EDUCATION

FAU Erlangen–Nürnberg, Erlangen, Germany — Oct 2022 – Expected Oct 2026
M.Sc. Artificial Intelligence

University of Mumbai, Mumbai, India — Aug 2018 – Jul 2022
B.E. Computer Science

SKILLS

- **Programming & Analytics:** Python, SQL, MySQL, PySpark, R, MATLAB, Pandas, NumPy, Statistical Analysis, Data Quality & Validation
- **Data Engineering & Cloud:** ETL/ELT Pipelines, Data Transformation, Snowflake, Microsoft Azure, AWS, REST APIs, Microsoft Graph API, JSON
- **Generative AI & ML:** LLMs, Retrieval-Augmented Generation (RAG), Prompt Engineering, RAG Evaluation, Deep Learning, NLP, Computer Vision, Regression & Classification, Feature Engineering
- **Business Intelligence & Visualization:** Power BI, KPI Reporting, Tableau, Advanced Excel
- **DevOps & Software Tools:** Docker, Kubernetes, Git, CI/CD, FastAPI, Power Apps, Power Automate, SharePoint, Jira, Confluence
- **Domain & Governance:** Cybersecurity, Data Privacy, Compliance, Process Automation & Digitalization

ACHIEVEMENTS

ICDAR 2026 TROGS-26 Competition – Greek Inscription Recognition **2026**

Achieved **3rd place**, co-authored a paper published in the ICDAR 2026 proceedings, and presented the work at the international conference in Austria.

Microsoft Certified: Fabric Analytics Engineer Associate (DP-600) **2026**

Earned the Microsoft Fabric Analytics Engineer Associate certification.

INTERESTS

- Active participation in data and AI communities
- Fitness
- Travelling