



PRATIK WAGHMODE

Data Engineer | AI & Robotics | Cloud (GCP)

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[LinkedIn](#) | [GitHub](#) | Open to: Werkstudent / Internship / Remote

PROFESSIONAL SUMMARY

Data Engineer with 2+ years of experience at Accenture, developing scalable data pipelines on Google Cloud Platform. Currently pursuing a Master's in Intelligent and Autonomous Systems with a focus on AI/ML applications. Experienced in data processing, cloud technologies, and building data-driven solutions. Seeking Werkstudent or internship roles in Data Engineering, AI/ML, or Software Development in Germany.

EDUCATION

M.Eng. – Intelligent and Autonomous Systems | Technische Hochschule Nuremberg

Mar 2026 – Oct 2027 (expected)

Relevant Coursework: Data Analytics, AI Accelerators, Statistics for Machine Learning, Trends in AI, Technology Ethics, German Language

B.Eng. – Instrumentation Engineering | Mumbai University

2019 – 2023 | CGPA: 8.69/10 (German Equivalent: 1.6)

Relevant Coursework: Machine Learning, Image Processing, Control Systems, Microcontroller Programming, Database Management, Management Information Systems, Process Automation, Transducers, Mathematics

WORK EXPERIENCE

Data Engineer | Accenture

Jul 2023 – Mar 2026 | Mumbai, India

- Built and optimized end-to-end data pipelines for global FMCG clients on GCP, processing sales data across US, Europe, Asia, and Middle East
- Performance win:** Reduced dashboard refresh time from 4 hours to 30 minutes (87% improvement) using Python optimization
- Maintained data integrity across global product catalogs through deduplication, validation rules, and ETL optimization
- Analyzed and modified Oracle PL/SQL stored procedures during GCP migration, working with cross-functional teams

Engineering Intern | R.K. Control Instruments Pvt. Ltd.

Dec 2021 – Jan 2022 | Thane, India

- Hands-on experience with manufacturing operations, quality testing, and product assembly

PROJECTS

Autonomous Swarm Robotics System | October 2022 – March 2023

IoT • C • Arduino • Robotics • Statistical Analysis

- Developed autonomous swarm system with Master-Slave architecture enabling robots to navigate paths and execute turns independently
- Performance gain:** Redesigned codebase to achieve 20% reduction in power consumption

QS University Ranking Analysis | Jun 2024

Python • Pandas • Matplotlib • Seaborn • Data Visualization

- Cleaned and analyzed global ranking dataset by handling missing values, removing duplicates, and filtering outliers
- Extracted insights on top-performing countries and regional university distribution through interactive visualizations

TECHNICAL SKILLS

Data Engineering	AI/ML	Databases	Other
BigQuery, GCP, ETL Pipelines, Python, Data Ingestion	ML, Deep Learning, Computer Vision, Autonomous Systems	SQL (Advanced), Oracle PL/SQL, SAP BW	Power BI, Microsoft Fabric

LANGUAGE SKILLS

- English (fluent, C2-Level)**
- German (Baisc, A2+-Level)**

CERTIFICATIONS

- Accenture:** Reinvention with Agentic AI
- Google Cloud:** Associate Cloud Engineer
- Microsoft Certified:** Fabric Analytics Engineer Associate
- Microsoft Certified:** Power BI Data Analyst Associate
- Google Cloud:** Digital Leader Certification
- HackerRank:** SQL (Advanced)

KEY FOCUS AREAS

Data Engineering • ETL Pipelines • BigQuery • GCP • Machine Learning • Deep Learning • Computer Vision • Autonomous Systems • Power BI • Microsoft Fabric • Python • SQL