Gurinder Arora

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Date of Birth: 31.08.1995
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Work Permit: Unrestricted (Niederlassungserlaubnis)

Profile

Data & AI solutions engineer with 3.5+ years building scalable data platforms and AI systems in energy and retail sectors. I design and deliver complete business solutions—from infrastructure to user adoption. Work fluently in German and English, skilled at translating technical concepts into business value.

Professional Experience

Senior Data & AI Engineer │ 07.2024 – Present
BayWa AG │ Munich

Cloud Architecture & System Design
- Architected scalable Azure Databricks data platform with horizontal scaling patterns, handling growing data volumes without pipeline redesign
- Designed and implemented Azure Data Factory pipelines for automated ingestion from SAP and external sources, incorporating retry logic, error handling, and monitoring

Multi-Agent AI System – Sales Intelligence Platform
- Evolved initial ML pipeline into production multi-agent AI system with 5 specialized agents (data quality, customer insights, feedback analysis, strategic timing, model performance) orchestrated via Apache Airflow, integrating RAG knowledge base (Data Infra built on Azure Databricks)
- Deployed system processing daily predictions, improved targeting accuracy from 15% to 25%, now serving as departmental template

Data Platform Engineering & Migration
- Migration of 10+ core reports from Qlik Sense to SAC, redesigning data architecture in SAP Datasphere with zero business disruption
- SAP-to-Fab4Minds ERP migration, designed parallel reporting architecture maintaining data flow across 10+ production pipelines

Internal Consulting & Cross-Functional Collaboration
- Translate business challenges into technical solutions, advise on analytics and AI strategy, own end-to-end delivery from requirements to production deployment
- Collaborated directly with Sales, Procurement, Logistics, Marketing, and Management teams to translate business requirements into technical solutions tailored to each department's workflows

Data Engineer & BI Developer │ 09.2022 – 06.2024
BayWa AG │ Munich

Process Automation & Data Pipeline Development
- Built automated ETL pipeline from SAP to Qlik Sense, eliminating manual Excel processes that took 2-4 weeks, reducing data refresh time to 10 minutes

BI Platform Implementation & Advisory

- Launched Qlik Sense as primary BI platform, migrating legacy Excel reporting to centralized dashboards serving 50+ business users
- Designed and maintained production dashboards, acting as technical advisor translating business needs into functional requirements

AI/ML Solution Implementation – Sales Optimization
- Designed end-to-end AI solution: developed Python predictive model with data scientist, automated data flow from Qlik Sense into BI dashboards, built calling lists for sales team, created feedback mechanism to track accuracy
- Solution runs daily in production, increased order volume by 15%, supports sales, inventory planning and marketing operations

Cloud Migration & Hybrid Infrastructure
- Migrated on-premise analytics to AWS with hybrid deployment strategy balancing accessibility, cost, and security and managed mixed environments (local, on-prem, AWS-S3, EC2, Redshift)

Data Analyst Working Student │ 05.2022 – 08.2022
Hoffmann Group │ Munich

Analytics & Process Improvement
- Delivered Excel, SQL, and Power BI analyses, improving team workflow efficiency by 25% through standardized data preparation processes
- Documented analytical procedures and results, enabling knowledge transfer and onboarding for new team members

Reporting & Quality Assurance
- Supported ad-hoc reporting requests and implemented feedback loops to improve reporting accuracy and stakeholder satisfaction

Formal Education

MSc. Artificial Intelligence │ 11.2025 – today
Woolf University │ Remote in Germany

BSc. Elektrotechnik und Informationstechnik │ 10.2020 – 09.2022
TUM │ Munich
Transitioned to data analytics to pursue technical implementation in business contexts

B.A. (Hons.) English │ 07.2015 – 05.2018
Delhi University │ Delhi, India

Training & Certifications

Masterschool Certificate │ Data Analyst Training Course │ 01.2022 – 08.2022
Google Data Analytics Certification
Data Engineering with AWS – Udacity Nanodegree
Digital Transformation for Business Leaders – Udacity Nanodegree

Skills & Knowledge

Data Engineering & ETL: ETL Pipeline Architecture, Data Pipeline Automation, Apache Airflow, Apache Spark, Data Modeling (Star Schema, Snowflake Schema), SQL Optimization, Python (Pandas, NumPy, PySpark), Data Quality Management, Data Governance, Near-Real-Time Processing, Change Data Capture, CI/CD for Data

Business Intelligence & Analytics: SAP Analytics Cloud (SAC), SAP Datasphere, Qlik Sense, Power BI, Tableau, Dashboard Development, Self-Service BI, Data Visualization, Advanced Analytics

AI & Automation: MLOps, Production AI Deployment, Model Monitoring, LangChain, Retrieval-Augmented Generation (RAG), Multi-Agent AI Systems, Predictive Modeling, Generative AI Integration, Natural Language Processing (NLP)

Cloud Platforms & Infrastructure: Microsoft Azure (Data Factory, Databricks, Synapse Analytics), AWS (S3, Redshift), Hybrid Cloud Architecture, Cloud Migration, Docker, Kubernetes

System Design & Architecture: Scalable Pipeline Design, Horizontal Scaling, Database Sharding & Replication, API Design & Rate Limiting, Fault-Tolerant Systems, Event-Driven Architecture, Distributed Systems Principles

Development & Collaboration: Python, SQL (PostgreSQL, MySQL, MS SQL Server), REST APIs, Git, Automated Testing, Agile/Scrum, Cross-Functional Stakeholder Management, Requirements Analysis, Technical Documentation, Product Ownership

Languages: German: C2 (Business Fluent); **English**: C2 (Business Fluent); **Hindi**: Native Speaker