

AMIT KUMAR

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PROFESSIONAL SUMMARY

Data & BI Analyst with 2.5 years of full-time experience building production Power BI dashboards, Python automation, and statistical models, currently applying these skills in financial services at Deutsche Börse Group. Experienced in designing self-service analytics for enterprise stakeholders, automating reporting workflows, and ensuring data quality in regulated, high-volume environments. Certified across Databricks, Microsoft Fabric, and Power BI. Available from June 2026, open to relocation within Germany.

SKILLS

Languages: English (C2), German (B1 – Intermediate), Hindi (Native)

Certifications: Databricks Certified: Data Engineer Associate | Microsoft Certified: DP-600 Fabric Analytics Engineer Associate | Microsoft Certified: PL-300 Power BI Data Analyst Associate | Microsoft Certified: AZ-900 Azure Fundamentals | Microsoft Certified: AB-730 AI Business Professional | Google Generative AI

Business Intelligence: Power BI (DAX, Power Query, Dashboard Development, PL-300 Certified), Tableau, KPI Frameworks, Data Visualization, Executive Reporting

Data Management: SQL, Advanced Excel (Power Query, VBA, PivotTables), ETL, Data Warehousing, MicroStrategy

Programming: Python (Pandas, NumPy, OpenCV, PyMuPDF, SciPy), R (Statistical Analysis), Scala (Data Integration)

Automation & Tools: Power Automate (AI Builder), Apache Zeppelin

Cloud Platforms: Microsoft Azure (AZ-900), Databricks, Google Cloud Platform

Business Skills: Stakeholder Management, Requirements Gathering, KPI Development, Process Improvement, Agile/Scrum

PROFESSIONAL EXPERIENCE

Eurex Clearing AG (Deutsche Börse Group)

Eschborn, Germany

Business Analytics, Market & Liquidity Analytics (Internship)

Jan 2026 – Present

- Designed Power BI dashboards adopted by **200+ clearing members across 22 countries**, replacing static Excel reports and reducing ad-hoc reporting requests across Sales Intelligence.
- Defined KPI frameworks for derivatives performance across **10+ product categories** (Equity Index, Fixed Income) in partnership with Sales Intelligence, enabling consistent performance measurement across commercial and product teams.
- Built **Python-based outlier detection model** (SciPy, Statsmodels) processing live HDFS data across **200+ clearing members**, surfacing anomalous collateral fee patterns and replacing manual investigation with automated alerts.
- Architected centralized Databricks data models as single-source analytics layer for the department, consolidating multiple data sources and eliminating duplicate logic across BI workflows.
- Authored monthly market intelligence reports analyzing trading volumes, open interest, and liquidity trends – published on Eurex website as primary market reference for external stakeholders.

Deutsche Börse AG

Frankfurt, Germany

Data Analytics, Cash Market Services (Working Student)

July 2025 – Dec 2025

- Designed and deployed real-time Power BI dashboards integrating Scala & Apache Zeppelin data sources, enabling traders to access live analytics without ad-hoc requests.
- Engineered automation workflows using Power Automate (AI Builder), saving **20+ hours/month** and reducing manual errors by **50%+** across cash market operations.
- Automated reconciliation of **500K+ rows/month** using Power Query & VBA, achieving **30% reduction** in data defects.
- Developed a computer vision-based verification tool (Python, OpenCV) to process **400+ monthly compliance PDFs**, flagging exceptions for manual review.

Arcadis

Bangalore, India

Data & Analytics Consultant, BIM Analytics

Aug 2022 – July 2024

- Built Power BI dashboards and Power Apps solutions for real-time KPI tracking across **15+ work packages** in HS2 – the UK's £100B+ national rail programme.
- Automated data validation and transformation pipelines (Python & VBA), reducing manual processing time by **60%**.
- Led cross-functional reporting initiatives across engineering and project management teams, reducing manual approval cycles by **2 days per work package**.

Alliant Advisory

Bangalore, India

Associate, Cost Segregation

Feb 2022 – July 2022

- Analyzed financial datasets for cost segregation across **5+ real estate projects**, supporting US tax advisory decisions.
- Created automated workflows and standardized reporting templates, reducing turnaround time by **28%**.

Atal Incubation Centre – Bihar Vidyapith

Patna, India

Program Associate, Entrepreneurship Cell (Internship)

Jan 2021 – Jan 2022

- Built and maintained MySQL databases for **2,400+ founders**, improving data accuracy from 92% to **99%**.
- Streamlined SQL-based screening workflows, shortening evaluation cycles by **33%**.

EDUCATION

Frankfurt School of Finance & Management

Frankfurt, Germany

Master of Science in Management, Grade: 1.9 (German Scale, 1.0 = Best)

Sept 2024 – Aug 2026

- Relevant Coursework: Managerial Data Science, Financial Analysis & Performance Management, AI & Operations Decisions
- Master's Thesis (Grade 1.0): Climate Policy Reversal and Global Equity Markets: Cross-country firm-level event study of 929 firms across S&P 500, STOXX Europe 600, and Asian indices using market-model CAR estimation and panel regression in R and Python.

Bangalore Institute of Technology

Bangalore, India

Bachelor of Engineering in Civil Engineering, Grade: 8.03/10 (First Class with Distinction)

Aug 2017 – Aug 2021

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

FS Quant Data Science – Trader Team, Frankfurt School

Aug 2025 – Present

Active member of quantitative trading team – researching markets and developing data-driven trading strategies.