

Saurabh Alhat

Data Analyst

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Location: Berlin, Germany



Summary

Results-driven Data Analyst with 4+ years of experience in finance, information tech and design industries. Skilled in building analytical tools, automating data pipelines, and translating complex financial data into actionable business insights. Currently interning at FinIQ Germany, where I develop Python-based pricing engines and volatility visualization tools for derivative analytics. Proficient in Python, SQL, Power BI, Tableau, and Excel, with a strong foundation in business analytics, process optimization, and data visualization.

Experience

May 2025-
Present

[Quantitative Finance Intern](#) at [FinIQ Consulting](#), Frankfurt, Germany

- Designed and implemented Python-based option pricing modules (Black-Scholes & Monte Carlo) with full Greeks computation (Δ , Γ , Vega, Θ , ρ), ensuring model stability and adherence to market conventions.
- Developed volatility-surface interpolation routines (linear, cubic-spline) and produced 2D heatmaps + 3D volatility cubes using Matplotlib/Plotly to visualize term and strike dependencies.
Built an automated 10-year S&P 500 data pipeline handling CSV/JSON ingestion, error-checking, and logging; generated key risk metrics (Sharpe Ratio, Max Drawdown, Historical Volatility).
- Collaborated with quant developers to validate models against Bloomberg data and reconcile pricing discrepancies under various market conditions.
Created interactive dashboards in Power BI to visualize model performance, portfolio sensitivities, and risk exposure for internal reporting.
- Contributed to the documentation of pricing logic, ensuring reproducibility and facilitating integration into production APIs.
- Participated in weekly stand-ups and code reviews, improving sprint velocity and technical documentation quality.

Sep 2023-
Oct 2024

[Netzorange IT-Dienstleistungen GmbH & Co. KG](#) at [Working Student Data Analyst](#)
Berlin, Germany

- Managed data collection and cleaning across CRM, ERP, and web-analytics sources, ensuring >98 % data accuracy.
- Built automated Excel/SQL reporting systems that reduced manual report time by 40 %.
- Conducted trend and anomaly analysis for customer operations data, enabling management to identify cost-saving opportunities and optimize resource allocation.

- Created and maintained Power BI and Tableau dashboards for project tracking, service tickets, and sales performance.
- Collaborated with IT and product teams to design data-validation rules and reduce error rates in imported records by 25 %.
- Provided ad-hoc analytical support to the HR and marketing departments, improving data-driven decision making.
- Presented insights to senior stakeholders, translating technical metrics into clear business implications.
- Contributed to internal documentation and process guides, training new working students in data workflows and best practices.

Jul 2019-
Jun 2022

M Global Design Estate at **Junior Research Analyst**
Pune, India

- Supported the design, deployment, and analysis of 50 + online surveys targeting regional real-estate markets.
- Assisted in questionnaire development, ensuring methodological consistency and valid sampling.
- Managed data cleaning, transformation, and visualization using Excel & Python (Pandas, Matplotlib) to derive client insights.
- Built interactive client dashboards summarizing project performance and customer engagement metrics.
- Conducted competitor benchmarking and price-sensitivity studies to support investment decisions.
- Authored monthly research summaries and contributed to PowerPoint deliverables for senior management.
- Trained new interns in survey software, data entry validation, and QA standards.

Education

Master of Business Administration (MBA)

Arden University, Berlin, Germany | 2023 – 2024

Bachelor of Science (BSc), Information Technology

Pillai College of Arts, Commerce, and Science, India | 2019 – 2022

Skills & Competencies

SQL, Python, Excel, Tableau, Power BI, Microsoft Fabric, Data cleaning, transformation, validation, ETL pipelines, data modeling, Predictive modeling, feature engineering, model development, chatbot optimization, forecasting, Agile collaboration, research planning, survey analysis, documentation, reporting, Quantitative finance, customer data analysis, financial reporting, insights generation, KPI tracking, Salesforce, Microsoft Office Suite, Confluence, Jira, Notion

Languages

- English (Fluent)
- German (B2 – Currently Improving)