Krishna Rathi *AI-Driven Data & Research Analyst*

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🪪 PROFILE

AI-driven Data and Research Analyst with hands-on experience in financial markets, portfolio analysis, and business analytics. Skilled in leveraging **AI** & **Large Language Models (LLMs)** tools to automate analysis, generate insights, summarize financial news, and enhance research workflows. Proficient in **Python, SQL, Excel, and Power BI,** with experience applying AI-assisted analytics for faster decision-making, reporting, and market intelligence. Strong analytical mindset with the ability to translate complex data into actionable business and investment insights.

🎓 EDUCATION

07/2017 – 08/2021 Pune	**Bachelor of Engineering (IT)** *Smt. Kashibai Navale College of Engineering*
06/2016 – 05/2017 Pune	**HSC** *Nowrosjee Wadia College of Arts & Science*
06/2014 – 05/2015 Pravaranagar	**SSC** *Pravara Central Public School*

💼 PROFESSIONAL EXPERIENCE

11/2023 – 03/2025 Kozhikode	**Data and Research Analyst** *Cap Index Enterprises LLP* ⧉ • Analyzed financial market and client portfolio data using Python, SQL, and Excel to generate actionable insights. • Conducted portfolio performance, risk, and exposure analysis across Indian equities and derivatives. • Built automated dashboards and recurring reports using Power BI for internal teams and clients. • Monitored volatility, drawdowns, and exposure metrics to support risk assessment and advisory decisions. • Performed market and sentiment analysis by combining price data with financial news and research inputs. • Used AI-assisted tools and LLMs to generate portfolio summaries, market briefs, and analytical commentary.

🧠 SKILLS

Programming & Querying
Python (Pandas, NumPy), SQL

Generative AI (Applied)
Large Language Models (LLMs), Prompt Engineering, OpenAI API

Market Tools
Trading View, MT5, MT4, Opstra, Sensibull

Data Analysis & Visualisation Tools
Microsoft Excel (Advanced formulas, Pivot Tables), Power BI (Data modeling, DAX basics), Tableau

Databases & Version Control
MySQL, MongoDB, Git

📁 PROJECTS

Client Portfolio Performance & Risk Analysis
- Analyzed multi-client portfolio data using Python to calculate KPIs such as returns, volatility, and drawdowns.
- Performed asset allocation and exposure analysis to identify risk concentration and performance trends.
- Automated portfolio analysis workflows and generated structured reports using Excel.
- Delivered analytical insights to support portfolio review and data-driven decision-making.

News & Sentiment Analysis on Indian Stocks
- Processed unstructured financial news data related to Indian markets using Python and Pandas.
- Implemented NLP-based sentiment analysis to classify news into positive, neutral, and negative categories.
- Analyzed sentiment trends and correlated them with short-term stock price movements.
- Created summary reports and visualizations to communicate sentiment-driven insights.

End-to-End Business Analytics Dashboard
- Cleaned, transformed, and prepared raw business datasets using Python for analysis.
- Designed and executed SQL queries to analyze KPIs, trends, and performance metrics.
- Developed interactive dashboards in Power BI to visualize insights for stakeholders.
- Enabled automated and data-driven reporting for business decision support.

Automated Reporting & Data Pipeline
- Built a Python-based ETL pipeline for automated data extraction, cleaning, and transformation.
- Stored processed data in SQL databases and generated recurring analytical reports.
- Automated reporting workflows to reduce manual effort and improve data consistency.
- Supported scalable analytics by streamlining end-to-end data processing.

📄 CERTIFICATIONS

Responsive Web Design
Free Code Camp

Programming Foundations
LinkedIn

Database and SQL
Spotle.ai

Python
LinkedIn

HTML and CSS Essentials
LinkedIn

Full Stack Development
1ByteLabs