Biswajit Palit

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I am a student of quantitative finance with graduate training in economics. Driven by a sense of constant curiosity, I am very passionate about solving AI and ML blackboxes. I am actively seeking an internship to gain private-sector experience of applying domain knowledge to industry.

Education

Master of Science in Quantitative Finance , *CAU Kiel, Germany*   2025 - current

Mathematical Finance, Foundations of Asset Pricing   *(sem 1/4)*

Master of Science in Financial Engineering (distant) , *WorldQuant University*   2025 - current

Derivative Pricing, Stochastic Modelling, ML in Finance, DeepL in Finance   Grade : 1.7 *(sem 5/8)*

Master of Science in Economics , *University of Bonn, Germany*   2022 - 2025

Thesis: "When Nature Makes the News: Biodiversity Shocks, Credit Risk, and Debt Discipline"   Grade: 1.5

Bachelor of Arts in Economics   2019-2022

Jadavpur University, India   Grade: 1.7

Technical Skills

Programming : Python, R, MatLab, LateX, HTML

Data Management: Github, Refinitiv, WRDS, SQL (via python), Pytask, Snakemake

ML and AI : Supervised, Unsupervised

Work Experience

Project Assistant, CAU Kiel   Kiel, Germany

FUSION Project at Chair of Technology & Management   August 2025 - current

• Developed pipelines for cleaning, processing and analysing climate fiction
stories. Created workflows to track the shifts in sentiments and scenarios over
survey rounds.
• Participated in regular in-office duties.

Research Assistant, HU Berlin   Berlin, Germany

PECan Environmental Finance Group   October 2025 - current

• Developed automated pipelines for data mining reducing storage constraints
by 90%.
• Assisted in regular research needs including data mining, analysis

Research Assistant, University of Bonn Bonn, Germany

Institutes : IAME, IFS, Econtribute. February 2024 - October 2025

• Regularly supported research by conducting literature reviews, data preparation and exploratory analysis.

Projects

The Effect of Central Bank Announcements on Government Bond Yields 2024

• Provided significant evidence that long term interest rates are only guided by central bank announcements, and no other factor.

Adjusting for Time-Varying Volatility Beyond Geometric Brownian Motion 2024

• Obtained a 1.5% improvement on the sharpe ratio over standard mean variance portfolio, by clustering on rolling volatility over time.

Fiscal Impact of an "All-Euro" Bond in the Post Crisis Eurozone 2024

• Provided evidence that a preventive EU-bond during the debt crisis would have worsened the debt conditions for the stronger economies in the long run.

Exploring Inference Techniques in Difference-in-Differences Analysis 2023

• Proposed 4 alternate measures to OLS for conducting DiD. Improved accuracy by $\sim 30\%$ for both cps data and AR(1) simulated data over OLS.

Optimizing Banking Query Routing Through Advanced Text Classification Models

• Improved text classifications accuracy by 8% through transformers, over ML benchmarks. 2023

Languages and Certifications

Languages : English(C1), German(A2)

Certifications:

Foundations of Financial Engineering, Applied Data Science, WorldQuant University

SQL with MySQL Database, LinkedIn Learning

Modeling Stock Prices Using Stochastic Processes, Project Management Institute