

# Tejasvini Bhatt

Master's Student |  
Economics and Finance |  
University of Tuebingen

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## EDUCATION

### University of Tübingen, Germany

Master of Science (MSc) Economics and Finance, Semester 3

### Maharaja Sayajirao University, India

Bachelor of Arts (BA) Economics with Honors, Grade: A (German Grade - 1.50)

## PROJECTS

### Computational Finance: Predictive Modeling in Python

Developed Python algorithms for analyzing time series data of stock index prices, focusing on optimal parameter selection and employing forecasting techniques to predict future trends. Utilized methods such as exponential smoothing to ensure accurate predictions, and tested these models against historical data to validate their effectiveness.

### Time Series Analysis: ARMA(1,1) Model

Explored the ARMA(1,1) model for time series forecasting, focusing on simulation, parameter estimation via Maximum Likelihood and Quasi-Maximum Likelihood, and stationarity testing with Dickey-Fuller. Demonstrated the model's practical utility and theoretical underpinnings in addressing data irregularities.

### Behavioral Finance Study — Research (Bachelor Thesis)

Investigated the impact of emotional and cognitive biases on investment decisions among equity investors in major Indian cities, utilizing content and narrative analysis to validate survey findings through expert consultations.

## PROFESSIONAL EXPERIENCE

### Lewin Schaudt Consultancy, [Tü] — Working Student Data Analysis Current

Currently analyzing Transnet's energy consumption trends, developing interactive PowerBI Dashboards, and executing SQL queries for associated tasks, aiming to enhance operational insights and efficiency.

### Motilal Oswal Pvt. Ltd., Vadodara — Intern Mar'22 - Jun'22

Performed analysis of major index funds, evaluating business fundamentals, and conducting statistical analyses on stock Beta and currency covariances; supported the development of comprehensive financial reports for client presentations.

## CORE COMPETENCIES

- Problem-solving and analytical skills
- Interpersonal communication
- Collaboration
- Data handling
- Critical thinking
- Attention to detail

## AWARDS AND SCHOLARSHIPS

### Study Abroad Scholarship — Professorial Scholarship

Awarded by Professor Dr. Akash Kumra of the University of Baroda for academic excellence, INR 500,000 (€5,600)

### Research Excellence Award — Bachelor Thesis

Achieved 'O' Grade (Outstanding, >95%) and received a research award from a jury of esteemed Economics professors for exemplary research conducted during the Bachelor's thesis.

## LANGUAGES

- English (C1)
- German (A2)
- Spanish (A1)

## SKILLS

- Python Programming
- R Programming
- MS Office
- Economic Data Analysis
- Qualitative Research
- Quantitative Analysis

## RELEVANT COURSES

- Macroeconomics
- Microeconomics
- Time Series Analysis
- International Trade
- Computational Finance
- Causal Machine Learning
- Regression models in R

## CERTIFICATIONS

- Python for AI and Data Analysis
  - IBM(Coursera)
- Advance Treasury and Foreign Exchange Management
  - BSE Institute Ltd
- Financial Markets
  - Yale(Coursera)

## CO-CURRICULAR ACTIVITIES

- Dancing
- Canvas Painting
- Photography