# SHUBHAM UPRETI

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## EDUCATION

**Franklin & Marshall College**                                                            *August 2024 - May 2028*
**Bachelor of Arts Economics & Data Science**                                  ***Honor's List 3.93 GPA***
Courseworks: Data Science with R, CS with Python, Multivariable Calculus, Probability & Statistics, Microeconomics, Foreign Aid
Honors and Awards: Schapiro-Caldwell Summer Award, Freshman Leadership Award (ASPIRE), F&M Music Grant

**Advanced Studies in England (Study Abroad in UK)**                          *Aug - Dec 2024*

## SKILLS AND TOOLS

Python, R, SQL, Git, Stata, Excel, Tableau, Time Series Analysis (SVAR | VAR), Data Visualization, MS Office, CAD- 3D Modeling

## LANGUAGES

English, Nepali, Hindi, Urdu, Bangla

## PUBLICATIONS & PROJECTS

Pokhrel, A., & Upreti, S. (2025). Monetary Policy Pass Through Considering the Reserve Ratio and Policy Rate in Nepal: An Empirical Gaze Using SVAR Analysis. *Economic Review of Nepal*, *8*(1), 34-52.

Upreti, S. (2025). The Impact of Global Oil Price Shocks on Nepal's Foreign Exchange Reserves and Inflation SSRN Working Paper

**Project 1- Bank Branching Strategy Analysis** (70,000+ rows, 42 columns)
Analyzed a large-scale dataset using R and Python to identify the primary drivers of commercial bank branching strategy.

**Project 2: Wait Time Analysis of NHS-England**
Diagnosed the NHS "Efficiency Paradox" by synthesizing 260,000+ records in R demonstrating ETL (Extract, Transform, Load), mathematically proving that London's record staffing density correlates with the nation's worst patient wait times

## PROFESSIONAL EXPERIENCES

**Central Bank of Nepal**                                                                  *May - June 2025*
*Economic Research Summer Analyst*                                          *(Onsite) Kathmandu, Nepal*
- Conducted high-level quantitative policy research (SVAR model in R/Excel) on Monetary Policy Transmission across 13 years of macroeconomic Excel data, publishing findings and works cited in working papers used to inform financial stability models.
- Structured and presented strategic policy briefs to central bank executive leadership, leveraging Power BI & Tableau to visualize analysis of commercial bank growth and risk factors for Monetary Policy of 2025/26.
- Translated complex financial models 7 South Asian economy into strategic insights and infographics for international forums in Bangladesh, supporting bilateral economic and international arbitration

**Lumiere Research Foundation**                                                        *May-Aug 2025*
*Economics Research Scholar*                                                        *(Remote) MA, USA*
- Led a 43-year time-series analysis of Nepal's currency reserves, converting macroeconomic indicators (oil price, reserves, CPI) to model interdependencies using VAR(4) and OLS-CUSUM, Granger's Casualty Test for policy discussion
- Authored a new research paper advancing international trade security insights, and graduated among the top 5% of a research fellowship cohort and secured an Individual Research Grant of $3000.
- Collaborated with a graduate student of University of Pittsburgh and research mentors to present in front of 200+ scholars demonstrating advanced presentation skill, statistical rigor, editing skills, and professional teamwork.

**Smart WASH Solutions (UNICEF)**                                                  *June-Aug 2025*
*Research Analyst*                                                                        *(Hybrid) Lalitpur, Nepal*
- Designed and executed a field research project in Nepal's $160M bottled water market, collecting and validating data from 10+ factories and 50+ retailers to analyze regulatory gaps and market inefficiencies.
- Synthesized interviews into quantitative metrics and visual dashboards (Python, Tableau) enabling data-driven recommendations for collective investment recommendation and market strategy, learned about breach of contracts and their disputes.
- Developed structured data pipelines from 80+ raw survey inputs, applying data wrangling methods in R studio to identify demand-supply constraints and regional bottlenecks affecting market performance eager to apply in auto-finance.

## CO-CURRICULAR

**Badminton, Franklin and Marshall College,** *Athlete*                          *Aug 2025-Present*
   *Maintained A Division status through rigorous training and coached junior athletes on court strategy.*
**Economics Club, Franklin and Marshall College,** *President*                  *Jan 2024-Present*
   *Led 20+ campus events and seminars in finance and business, collaborating with 13+ clubs and external partners*
***Spark Lab, Franklin and Marshall College,*** *Tutor*                          *Jan 2024- Present*
   *Assist Faculty with 3D modeling and printing, tech troubleshooting, laser cut, poster print and scripting techs*
***Musician, Meyran F&M,*** *Flutist*                                            *Aug 2025- Present*
   *Play and compose music in bamboo flute (Bansuri), Western Concert Flute, Irish Penny Whistle, Mouth Harmonica and Nepali flutes*