

Ayantika Kumar

+1 650 609 9849 / ayankumar101@gmail.com / San Bruno, CA

Work Experience

Academic Tutor – The Tutoring Club, Millbrae, CA

September 2023 to May 2024

- Manager of the Beginner Reading Program, organizing instruction for approximately 9 students/day.
- Maintained accurate student records, assessments, and documentation to support program operations.
- Communicated schedules, progress updates, and program needs to parents and Club Executive weekly.

Customer Service Representative – Lowe's Home Improvement, San Bruno, CA

December 2022 to February 2023

- Resolved time-sensitive customer and vendor issues by coordinating with senior management.
- Processed high-volumes of transactions and account information accurately using POS, inventory, and customer-management systems.
- Collaborated with team-members in reaching highest month of company credit-card sign-ups.

Sales Associate – Spirit Halloween, Millbrae, CA

September 2022 to November 2022

- Supported daily store operations including inventory organization, customer inquiries, and transaction processing.
- Prepared weekly schedules for staff as per Store Manager's directives.
- Streamlined inbound logistics workflows with the District Manager to accelerate merchandise processing.

Accounting Clerk – K Raj & Companies, Fiji

March 2018 to April 2020

- Managed client accounts, financial documentation, and confidential administrative documents.
 - Performed accurate data entry and account analysis using Excel and MYOB and maintained organized transaction records.
 - Coordinated and scheduled high-priority client meetings with the Director of Accounting, ensuring seamless calendar management.
 - Led the planning and execution of company events, serving as the primary point of contact for donors and external vendors.
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Education

B.A. Economics – San Francisco State University

June 2025 to December 2026 (Expected)

- Applied skills in R/RStudio for regression analysis, statistical modelling, hypothesis testing, and data interpretation through summarized projects.
- Econometric analysis using Stata for regression modelling and statistical testing of public and econometric policy.
- Python for data mining, data cleaning, trend prediction, and understanding of complex datasets based on advanced statistical methods.
- Usage of Microsoft Excel for advanced functions and data summarization techniques (XLOOKUP, VLOOKUP, IF/SUMIF, Pivot Table, etc.)
- Used machine-learning tactics utilizing Python to construct training and test models for making business decisions. (Project)

A.A. Economics – Skyline College

May 2022 to May 2025

Analytical Projects

Applied Econometrics Project (R)

- Cleaned and analyzed a 2,400-observation dataset; built dummy variables and ran OLS regressions and identified statistically significant gender differences in suicide mortality.
- Improved model explanatory power from 1% to 33% by adding controls for age, occupation, education, and urban status.

Purchasing Power Parity Analysis — Big Mac Index (R)

- Analyzed 1,386 observations from The Economist's Big Mac Index to compute PPP misalignment across countries.
- Built visualizations and regression models showing that higher Big Mac prices predict currency overvaluation ($\beta = 0.189$, $p < 0.001$).

Technical Skills

R/RStudio, Stata, Python, Excel, MYOB, OLS regression, hypothesis testing, data cleaning, visualization, model diagnostics, Microsoft Office Applications, advanced Excel.