

# Sanskriti Chandak

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## Education

### Babson College, GPA: 3.90/4.00

Bachelor of Science in Economics & Business Analytics, *Summa Cum Laude*

Relevant Coursework: Econometrics, Business Intelligence & Data Analytics, Business Analytics, Strategic Problem Solving, Management & Entrepreneurship, Information Technology & Systems, Operations Management, Supply Chain Management

Wellesley, MA

August 2020 – May 2024

### London School of Economics (LSE), GPA: 3.80/4.00

Study-Abroad Program

Relevant Coursework: Microeconomics II, Macroeconomics II, Databases, Social Network Analysis

London, UK

August 2022 – June 2023

### Harvard University

Part-Time Student, Extension Studies

Relevant Coursework: Calculus II with Series and Differential Equations

Cambridge, MA

January 2025 – May 2025

## Honors & Awards

Beta Gamma Sigma Honors Society

Dean's List

Babson College Merit Scholarship

U.S. Department of State Benjamin A. Gilman International Scholarship

2024

2020 – 2024

2020 – 2024

2022 – 2023

## Research Experience

### Research Assistant

Los Angeles Behavioral Economics Laboratory (Dr. Isabella Brocas)

Remote

September 2021 – June 2022

- Assisted Dr. Isabella Brocas with research on the development of time preferences and discounting behaviors in children and adolescents, exploring the synthesis of cognitive, socio-economic, and neurological factors in decision-making and self-control.
- Conducted literature review of 20 papers from top academic journals in psychology, behavioral economics, and neuroscience; produced detailed summaries evaluating each paper's research questions, methodology, experimental designs, and key findings.
- Supported the development of the paper "[The Development of Time Preferences](#)," published in *LABEL Reports* by consolidating literature review search and preparing illustrative graphs.

### Research Assistant

Babson College Mathematics Department (Professor Salvatore Giunta)

Wellesley, MA

August 2021 – May 2022

- Collaborated with Professor Salvatore Giunta to build an R-based pedagogical software repository for undergraduate Business Analytics courses, designed to support interactive project-based learning (PBL).
- Conducted literature review of 10 papers from top academic journals in statistics, sociology, and higher education to inform the design and structure of the repository.
- Developed comprehensive R script documentation for machine learning algorithms—including regression, classification, association rules, decision trees, and clustering—to illustrate the applications of machine learning to real-world problems.
- Presented the repository at the Joint Mathematics Meetings (JMM) in 2022 (virtual).

## Course Research Projects

### Louis Vuitton's Supply Chain

Babson OIM3573: Supply Chain Management (OIM Division, Professor Brad Johnson)

Wellesley, MA

January 2024 – May 2024

- Conducted an in-depth case study of Louis Vuitton's supply chain—analyzing demand forecasting, inventory management, transportation logistics, sustainability practices, and responses to global disruptions and counterfeiting.
- Applied strategy models to evaluate Louis Vuitton's supply chain, performed competitive analysis to assess their market positioning and analyzed the value proposition of blockchain, cloud-based ERP, ML, and AI in enhancing operations.

### Global Trade Networks

LSE MY361: Social Network Analysis (Department of Methodology, Dr. Eleanor Power)

London, UK

January 2023 – June 2023

- Analyzed global trade data using centrality measures, degree distribution, and generative models to identify key trade hubs, emerging markets, and clustering patterns and evaluate real-world trade networks against international trade theories.
- Leveraged R to preprocess and clean data, merge datasets, construct network objects and graphs, and create data visualizations to illustrate key findings.

### Weather Database

LSE ST207: Databases (Department of Statistics, Dr. Marcos Barreto)

London, UK

August 2022 – January 2023

- Designed and built a NoSQL weather database using MongoDB and Python, applying schema design principles and document modeling to simulate real-world relationships between weather events, geographic locations, and daily weather observations.
- Developed indexes, database triggers, and aggregation pipelines using PyMongo to support efficient querying, filtering, and data transformation, simulating a production-scale meteorological data system.

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## Professional Experience

### Wayfair

**Boston, MA**

*Data Analyst, Strategic Transformations*

*September 2024 – Present*

- Built and launched an LLM-powered Slack bot that writes and executes GBQ (Google Big-Query) queries based on natural language prompts by leveraging Wayfair's internal metadata, returning results in the form of tables, visualizations and summaries with a 90% accuracy.
- Compiling and structuring transaction-level microdata using GBQ to evaluate data pipelines for financial and operational data across business segments and build dashboards to track cost estimates accuracy, profitability and key operational drivers.
- Partnering with Engineering, Supply Chain, Pricing and Finance teams to design and implement digital transformation strategies to enable real-time data visibility, automate data pipelines, and enhance ERP system utilization.

### Bloomberg L.P.

**New York, NY**

*Research Analyst Intern, Bloomberg Intelligence Technology*

*June 2023 – August 2023*

- Collected, cleaned, and analyzed company-level data using Bloomberg's internal API and SQL to develop a dashboard with key-performance indicators (KPIs) for ad-tech companies, enhancing internal analytics capabilities through data products.
- Built a customizable three-statement forecasting model for Magnite Inc. (ad-tech company) using Bloomberg's API, SQL, and Excel, enabling users to test consensus assumptions, generating 30+ monthly active users.
- Launched equity research coverage for Magnite Inc. by publishing a data-driven research primer based on company and industry analysis with data visualizations and delivering a stock pitch to 170 research analysts and associates.

**Princeton, NJ**

*Data Analyst Intern, Company Financials*

*June 2022 – August 2022*

- Designed and implemented a DoubleMAD-based outlier detection algorithm using Bloomberg's internal API and Python to flag anomalous earnings data, reducing data errors in the Terminal's dashboards by 20%.
- Co-authored a Bloomberg News article for 325K+ subscribers, illustrating how to use Terminal tools and Python/SQL to query Bloomberg's financial data and conduct market analysis of the EV industry.
- Collected, cleaned, and analyzed data using Bloomberg's internal API and SQL to build an industry-level KPI dashboard for investment and asset management firms, generating 100+ daily active users.

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## Teaching Experience

### Peer Tutor

**Wellesley, MA**

*Babson College Math Resource Center*

*November 2021 – May 2024*

QTM1000: Quantitative Methods for Business Analytics I

QTM1010: Quantitative Methods for Business Analytics II

QTM2000: Case Studies in Business Analytics

AQM1000: Foundations of Business Analytics

AQM2000: Predictive Business Analytics

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## Conferences

### Joint Mathematics Meeting

**Virtual**

Chandak, S. (2022). "Project-Based Learning for Undergraduate Statistics through the use of R"

*April 2022*

Presented at the Mathematics Education, Mathematics in Literary Settings, History of Mathematics Session

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## Skills

**Programming Skills:** Python, R, SQL, LaTeX, MS Excel, Bloomberg Terminal, Tableau, Power BI

**Languages:** English, Hindi

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**Interests:** Photography, Traveling, Badminton, Music, Painting, Hiking