AURITRO DUTTA

(858) 319-7679 | audutta@ucsd.edu | https://www.linkedin.com/in/audutta/ | https://github.com/AuroDutta

EDUCATION

University of California, San Diego *Expected June '25*
- Bachelor of Science in Business Economics; Double Minor in Finance, Computational Social Sciences
- Cumulative GPA: **3.92/4.0,** Major GPA: **4.0/4.0** | Provost Honors (All Quarters), Honors Certificate (All Years)
- Relevant Coursework: Multivariable Calculus, Linear Algebra, Differential Equations, Quantitative Methods in Business, Financial Instruments, Econometrics, Business Finance, Micro/Macroeconomics, Accounting, Negotiations, Experiments in Firms, Managing Diverse Teams, Ethics at Work, Business Operations, Private Equity, New Venture Finance

PROFESSIONAL EXPERIENCE

Caprae Capital Partners **Glendale, CA**
Private Equity Intern *Nov '24 – Mar '25*
- Identified & evaluated over 40 companies per week in the AI, Data Center, and IT Services industries that aligned with the investment thesis with approximately 85% consistently advancing to the next stage of deal selection
- Conducted in-depth market research and analysis by leveraging data from different sources to identify emerging trends, highlight potential whitespaces to target for growth, and create strategic plans
- Drafted and deployed customized messages and emails to 50+ potential clients every week based on an outreach strategy

Economics Department UCSD **San Diego, CA**
Teaching Assistant – ECON 120A (Econometrics A) & ECON 1 (Microeconomics) *Sep '24 – Mar '25*
- Taught discussions sections in a principles of microeconomics class, topics such as the Production Possibilities Frontier, Supply and Demand, Equilibrium, Elasticity, Utility Maximization, Producer Theory, Market Competition and Failure
- Hosted office hours for personalized support to assist a class of 900+ students and received a 100% approval rating
- Assisted the professor on problem set and examination creation, as well as proctoring to ensure high-level course quality

JSW Ventures **Mumbai, India**
Investment Analyst Intern *Jul '24 – Sep '24*
- Conducted comprehensive due diligence on 15+ startups in the general tech, consumer, enterprise SaaS and financial sectors based on management, market, competition, valuation, and exit analyses
- Participated in deal sourcing by joining calls with startup founders and evaluating their startup pitch based on value proposition, market niche satisfied, problem solved, current financial status, competitive advantage, and future potential
- Measured total AI in Enterprise Technology market size and forecasted growth using relevant drivers and risks, and analyzed multiples of 50+ public comparables and M&As of companies in the generative AI space
- Presented analysis and an investment thesis with a final investment recommendation to associates and managing partners

Dream Venture Labs **Boston, MA**
Consulting Intern - Financial Services *Nov '23 – May '24*
- Assisted in creating and progressing 5+ complex financial models like DCFs using company filings (10Ks, 10Qs) and spreadsheets for ideal budgeting, resource allocation, and identification of areas for financial optimization
- Collaborated with a team of 6 to conduct revenue research to set ideal prices for transaction fees and subscriptions
- Created an elementary business plan and pitch deck that included information about the target market, market opportunities, competition, company valuation, and an investment thesis, garnering interest from 7+ investors
- Conducted revenue research to define the ideal prices to set for transaction fees and monthly subscriptions
- Enhanced data processing efficiency by implementing streamlined procedures, resulting in a 15% reduction in the time required for data extraction and synthesis from financial reports and databases

Revelle Residence Life UCSD **San Diego, CA**
Resident Assistant *Jul '23 – Jun '25*
- Executed administrative tasks and operated as a personal source of support and guidance source to 120+ diverse students
- Organized and hosted events in collaboration with the college's professional residential staff and the dean, resulting in effective community-building and facilitating interaction among 1500+ college students
- Employed conflict management techniques to mediate and solve issues, enforced policy, promoting student success

OTHER EXPERIENCE

Atkinson Behavioral Lab **San Diego, CA**
Research Assistant *Sep '24 – Jun '25*
- Developed research protocols by utilizing experimental design principles to ensure accurate data collection
- Coordinated participant recruitment by implementing targeted outreach strategies to ensure diverse study samples
- Collaborated with principal investigators and fellow research assistants to refine hypotheses and experimental procedures

Undergraduate Investment Society   **San Diego, CA**
Committee Head – Financial Research   *Sep '23 – Jun '24*
- Spearheaded research on economic trends, policy developments, and market dynamics, providing valuable insights to members through presentations, reports, and discussion forums
- Applied data analysis and visualization tools, such as RStudio and Stata, to interpret economic data, create informative charts and graphs, and present findings visually compellingly
- Attended seminars, workshops, and guest lectures, gaining exposure to a wide spectrum of finance theories and their real-world applications, helping stay up to date with financial trends

Triton Consulting Group   **San Diego, CA**
Consulting Associate - Financial Services   *Oct '23 – Mar '24*
- Developed and refined 10+ financial models such as Company Valuation and Cash Flow Models to support clients in assessing business scenarios and making decisions by forecasting future performance
- Compiled and presented findings in 15+ clear and concise reports and presentations using PowerBI and Tableau, helping effectively communicate complex information succinctly to both technical and non-technical clients
- Employed analytical techniques to extract actionable insights from complex datasets that contributed to a 10% increase in client satisfaction through data-driven decision-making

Revelle College Council   **San Diego, CA**
Student Leader and RA Representative   *Sep '24 – Jun '25*
- Acted as a member of the student government, participating in meetings discussing topics like funding, budgeting, event planning, resource allocation, and goal setting.
- Bridged the gap between the student government board and the resident assistant team, relaying feedback both ways to better create a diverse, sustainable, and successful environment for every student in the community

Mentor Coullective   **San Diego, CA**
Peer Mentor   *Sep '24 – Jun '25*
- Provided personalized support and guidance for personal and professional development to 10+ mentees on topics like major selection, course customization, club applications, internship search, and time management
- Hosted and participated in group coffee chats to foster a positive environment for everyone's holistic betterment

PROJECTS
- **ESG in Machine Learning Stock Price Prediction:** Deployed Linear Regression, Ridge Regression, Random Forest Regressor, and Gradient Boosting models to gauge the effectiveness of incorporating ESG for stock price prediction
- **Unsupervised Machine Learning Trading Strategy:** Developed a stock trading strategy using K-Means clustering to group stocks based on features, optimizing portfolio for maximum Sharpe ratio resulting in enhanced risk-adjusted returns
- **Algorithmic Trading in Python:** Built and analyzed a few algorithmic trading strategies, namely a quantitative momentum-based strategy, and a quantitative value-based strategy
- **Twitter Sentiment Investing Strategy:** Created an investing strategy by analyzing Twitter sentiment to select top-performing stocks monthly, demonstrating the potential of sentiment analysis in stock selection using simulated data
- **ABNB Valuation:** Utilized capital budgeting methods to compute the enterprise value and price per share for Airbnb post-IPO, adopting multiple differen valuation methods including a mutliples-based approach, and a DCF model.
- **Equal-Weight S&P 500 Index Fund:** Developed a program that uses batch API calls and Python libraries (numpy, pandas) to compute the number of shares to buy for each S&P 500 constituent, achieving an equal-weighted portfolio
- **Learning Methods Experiment:** Ideated on, designed, and implemented a pilot experiment that utilized the principles of randomized control trials to compare and assess the effectiveness of visual, auditory, and text-based learning methods
- **7 Step Ethics Model for Titanic's Collapse:** Exerted a business ethics-based evaluation model to evaluate the reasons for the failure of the Titanic's journey by collecting facts, identifying business mistakes, and recognizing stakeholders

COURSERA CERTIFICATIONS
- Finance & Quantitative Modeling for Analysts Specialization (University of Pennsylvania), Mathematics for Machine Learning Specialization (Imperial College London), Linear Algebra Specialization (Johns Hopkins University), C++ for C Programmers A & B (UC Santa Cruz), Decentralized Finance Specialization (Duke University), Probability and Statistics (University of London), Guide to Trading Specialization (Interactive Brokers), Explainable AI Specialization (Duke University), Financial Markets (Yale University), Introduction to Machine Learning (Duke University)

SKILLS AND INTERESTS
- GRE: **332/340** (Quant: 169, Verbal: 163); SAT: **1510/1600** (Math: 770, Reading/Writing: 740); TOEFL iBT: **114/120**
- Programming: Python, R, Stata, C++, HTML/CSS, MATLAB; Data Visualization: Tableau, PowerBI, Ggplot, QlikView
- Languages: English, Hindi, and Bengali (Native/Trilingual proficiency), French (Basic), Marathi (Basic)
- Interests: Chess, Rock Climbing, Roller-Skating, Gaming, Calisthenics, Traveling, Soccer, Gymming, Cricket