Ananya Saxena

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EDUCATION

University of California, San Diego   **Expected 2026**
B.S. in Mathematics-Computer Science   San Diego, California
B.A. in Economics (Double major)
- **GPA:** 3.759/4.00, 4x *Provost Honors*
- **Campus involvement:** Triton Quantitative Trading, Women in Computing, Society of Undergraduate Math Students, Association for Computing Machinery

SKILLS

- **Programming:** Java, Python, JavaScript, HTML, MATLAB, SQL, CSS, Git, Kotlin, C, Angular
- **Certifications:** Learning Python for Data Science by UIUC, Learning Data Analytics by LinkedIn Learning, Finance & Quantitative Modeling for Analysts by UPenn, Options 101 by Akuna Capital
- **Languages:** English (Fluent), Hindi (Native), Sanskrit (Fluent), Urdu (Fluent), French (Work-proficiency)

EXPERIENCE

ICPC Foundation   **Woodway, Texas (Remote)**
Problem Solving Intern   *January 2025 – Present*
- Collaborate with the team at ICPC in coming up with the question bank for the programming contests conducted worldwide.
- Work on integrating multiple topics to create a single problem in order to make the test complex
- Work on making the tests fair and unbiased for everyone that will be a part of the ICPC.

Student Life Business Office, UC San Diego   **San Diego, California**
Financial Analysis Assistant   *September 2024 – Present*
- Created and approved funding requests and assisted with budgeting for over 650+ student organizations; tasks requiring attention to detail, teamwork and effective communication with stakeholders
- Assisting UCSD's finance team in creating, tracking and budgeting the monthly expenditure on various concerts/events held at UCSD

Department of Economics, UC San Diego   **San Diego, California**
Research Assistant – Data Analysis   *September 2024 – December 2024*
- Collaborate with a PhD candidate and research advisor to conduct in-depth analyses on "*Promotion Processes in Developing Countries*" and "*Schooling Markets in Ethiopia*"
- Collect, clean, and analyze data from over 250 World Bank Project Team Leads, ensuring data accuracy and reliability for insights on global economic trends
- Organize and process employer-employee match datasets from the U.S. Department of Education and Brazilian agencies, emplying statistical techniques to reveal patterns in markets

KopyKitab, Digibook Technologies   **Bengaluru, India**
Data Science Intern   *July 2024 – September 2024*
- Conduct behavioral data mining on KopyKitab's website and mobile app, identifying patterns that informed strategic product enhancements and improved user engagement
- Developed optimization models to correlate user behavior with market trends, aiding product development and marketing strategies

Headstarter AI   **San Francisco, California**
Software Engineering Fellowship   *July 2024 – August 2024*
- Created 5 innovative AI application and participated in weekly hackathons
- Expand and refine my portfolio
- Collaborate with engineers working in various companies

6Degrees Pvt Ltd.   **Indore, India**
Software Engineering Intern   *February 2022 – June 2022*
- Developed an interactive mobile application interface using JavaScript, HTML and HTTPS, requiring both self-direction and collaboration with a cross-functional team

- Demonstrated problem-solving skills by identifying and addressing user interface challenges to improve usability

ACTIVITIES AND LEADERSHIP

Triton Quantitative Trading Club, UC San Diego   **La Jolla, California**

Vice President – Finance and Operations   *December 2024 – Present*
- Oversee the budgeting for all the events and competitions conducted by TQT
- Secure financial support through various sponsors including Jane Street and UCSD's CSE Department

Math Content Developer + Executive Board Member   *May 2024 – November 2024*
- Conduct workshops on LeetCode,Data Analysis, Statistical reasoning, Strategy Development and other related topics to quantitative trading
- Write blogs on questions and topics asked in interviews for Quantitative Analyst positions
- Help the UCSD team for participating in various quantitative trading competitions

Seventh College, UC San Diego   **La Jolla, California**

Orientation Leader   *April 2024 – September 2024*
- Lead a group of 20-25 students
- Assist new incoming student and help being an intermediate between university authorities and students
- Serve as student panelist for First year and Transfer student webinars

PERSONAL PROJECTS

Emocia: Real-time facial emoji mapping   *2025*
- Implemented real-time facial recognition with deep learning techniques for intuitive human-AI interaction.
- Leveraged deep learning frameworks (TensorFlow, PyTorch) and computer vision libraries (OpenCV, MediaPipe) for facial expression analysis.

Profit Panda: trading bot   *2025*
- Developed "Profit Panda", a trading bot specialized in predicting stock trends for food and hospitality companies.
- Implemented machine learning models to analyze market data and generate accurate investment insights.
- Utilized financial data APIs and Python-based frameworks for data processing, prediction modeling, and automation.