

Ananya Saxena

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EDUCATION

University of California, San Diego

B.S. in Mathematics-Computer Science

B.A. in Economics (Double major) (5x Provost Honors)

Expected 2026

San Diego, California

- **Skills:** Java, Python, JavaScript, HTML, MATLAB, SQL, CSS, Git, Kotlin, C, Statistical modelling, time-series forecasting, data pipelines, uncertainty quantification, data visualization

EXPERIENCE

ICPC Foundation

Problem Solving Intern

Woodway, Texas (Remote)

January 2025 – Present

- Collaborate with team at ICPC in coming up with question bank for the programming contests conducted.
- Developed complex algorithmic questions that integrate multiple topics, for real-world problem-solving

Student Life Business Office, UC San Diego

Financial Analysis Assistant

San Diego, California

September 2024 – Present

- Created and approved funding requests and assisted with budgeting for over 650+ student organizations
- 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

Research Assistant – Data Analysis

San Diego, California

September 2024 – December 2024

- Processed large employer-employee match datasets, ensuring data accuracy for economic research
- Applied statistical analysis and machine learning models to detect patterns in schooling markets and labor economics

KopyKitab, Digibook Technologies

Data Science Intern

Bengaluru, India

July 2024 – September 2024

- Built data pipelines to clean and process user interaction data, ensuring high-quality datasets for analysis
- Conducted behavioral data mining and implemented optimization models to correlate user behavior with market trends, aiding product development

6Degrees Pvt Ltd.

Software Engineering Intern

Indore, India

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
- Managed version control and development workflow using Git, ensuring streamlines project collaboration

ACTIVITIES AND LEADERSHIP

Engineering, Innovators and Entrepreneurs Club, UC San Diego

Vice President – Finance

La Jolla, California

April 2025 – Present

Triton Quantitative Trading Club, UC San Diego

Quantitative Data Science Researcher (Tier II)

La Jolla, California

December 2024 – Present

PROJECTS

PhishNet: AI powered chrome extension

2025

- Developed and fine-tuned a phishing detection model using NLP techniques to classify malicious texts, emails, and URLs with high accuracy
- Engineered a chrome extension that provides phishing risk assessment and interactive user training

Emocia: Real-time facial emoji mapping

2025

- Implemented real-time facial recognition with deep learning techniques for intuitive human-AI interaction.
- Leveraged TensorFlow, PyTorch, OpenCV, and MediaPipe for facial expression analysis

Profit Panda: trading bot

2024

- Developed "Profit Panda", a trading bot specialized in predicting stock trends for food and hospitality companies.
- Utilized financial data APIs and Python-based frameworks for data processing, prediction modeling, and automation.