

Amay Bhatnagar

Product Analyst

Los Angeles, CA, United States | [LinkedIn](#) | [GitHub](#)

Economics and econometrics student who builds AI agents and data tools for investment diligence, finance operations, and consulting work. Currently working as a Product Analyst at Entrepreneur Ventures while finishing an M.S. in Applied Econometrics at USC.

EXPERIENCE

Finance & Product Intern Mar 2026 — Jul 2026

Techstars / Sensate Robotics *Los Angeles, CA*

Built a daily AI reconciliation and reporting tool that cut weekly close prep about 90% by joining data, retrying failed steps, and fixing errors. Ran regression tests and monitoring evals across 50+ prompt iterations, holding reconciliation accuracy at 99%+. Handled late or incomplete source data in prompts and API logic, built pipelines to match financial records, and maintained a live cash and runway dashboard. Also used Claude Code to build CRM, pipeline, and reporting dashboards and prepared investor presentations and memos for 20+ founder calls.

Product Analyst Jan 2026 — Present

Entrepreneur Ventures *Los Angeles, CA*

Building an AI diligence agent in Python with the Claude API that scores founder-interview transcripts on 12 weighted criteria, returning scores, explanations, and an overall grade that cites the transcript. The agent has reviewed 60+ deals, and qualified deals now advance about 25% more often. Set rubric weights from analyst benchmarks so the investment committee can review nearly twice as many deals, and connected the scores to the deal pipeline so analysts verify each one. Also manage investor relations for a live Series A raise, drafting updates and meeting materials, with \$500K+ committed so far.

Data Product Consultant May 2025 — Oct 2025

TechTorch *Remote*

Found about \$1.2M in overlap in a clinical-trial integration using a Python K-means pipeline on 8,000+ data points, for a deal backed by private equity. Built the client CFO a 12-KPI dashboard in Snowflake, Excel, and Power BI, with Python scripts handling the data cleaning.

Enterprise Technology Consulting Intern May 2024 — Aug 2024

West Monroe *Chicago, Illinois, United States*

Built an M&A diligence dashboard that shows all 40+ targets on one screen, cutting partner review time about 75%. Managed go-live for a 196-workstation IT migration under an M&A deadline and automated migration checklists for the client's operations staff.

Software Engineering Intern Jun 2023 — Aug 2023

JPMorgan Chase & Co. *Wilmington, Delaware, United States*

Migrated 125 interconnected microservices to a distributed AWS architecture, reducing infrastructure spend about \$200K per year for Chase Home Lending. Developed a Python search tool covering 13 mortgage-data categories across 12 systems, adopted by 30+ underwriters.

Solutions Engineer Intern May 2022 — Aug 2022

Intel Corporation *Austin, TX*

Reduced semiconductor chip testing time 50% by standardizing automated test scripts across a system-on-chip program. Automated analysis of 450 chip test results, with scripts adopted across engineering teams.

EDUCATION

University of Southern California Aug 2025 — Dec 2026

Master of Science - MS in Applied Economics & Econometrics

GPA 3.5

Texas McCombs School of Business Jan 2024 — May 2025

Minor, International Business

The University of Texas at Austin Aug 2020 — May 2025

Bachelor of Science - BS in Economics

International Business Minor; Applied Statistical Modeling Certificate

Clements High School Jan 2016 — Jan 2020

High School Diploma in STEM

PROJECTS

VoteBook

- An App to worked towards making the voting process easier and more efficient for the average American voter

Chevron Makeathon 2021 - Wearable distance sensor for auto-braking

- Created a distance sensing autobraking system that indicates to the user how far away they are from the rolling object via LEDs.
- Materials included an Arduino Nano, servo motor, ultra-sonic sensor, 3D printed rack and pinion system.
- Won subcategory design award for “Best in Field Operator Safety”.

Embedded Systems Game Design Project

- Designed and implemented variation of “Snake” video game in C to run on TM4C123 microcontroller.
- Demonstrated features and controls of system to both Professors and 200+ students in course.

Web app for comparing ETF portfolios built from university endowment allocations, University Funds Platform

Deployed a site with 25 years of allocation history from Yale, Harvard, Stanford, MIT, and Princeton, used to build ETF portfolios investors can buy and compare. Designed a six-table PostgreSQL schema linking the allocation rows to sources, tested by a validator and 30 regression tests. The site shows only reported figures.

Tool that ranks campus equipment by failure risk and potential cost, Campus Asset Health Explorer

Combines work-order, asset, and sensor data from campus buildings into one data model and ranks equipment by failure risk and potential cost. Built the data model and a validator before loading public building-energy data and generated data for 12 buildings and 60 assets over 24 months. Currently interviewing facilities teams at USC, UCLA, and Caltech about which maintenance costs matter most.

Telegram bot that alerts on watchlist price drops during NYSE hours, Watchlist Drop Alerts (StockWatcher)
Stock alert tool used daily that sends Telegram alerts on percentage and dollar watchlist price drops during NYSE hours. Implemented once, legs, and mute alert modes, plus gap-down warnings at open and failed-quote warnings.

CERTIFICATIONS

Claude Code in Action , Anthropic	Jul 2026
AI Fluency for students , Anthropic	Jun 2026
Claude code 101 , Anthropic	Jun 2026
Office of Research and Innovation: Early Career Catalyst Award ,	Dec 2025
Microsoft Certified: Azure AI Fundamentals , Microsoft	Jul 2023
IEEE UT Austin Student Branch Endowed Excellence Fund , Cockrell School of Engineering	May 2021
Microsoft Learn Student Ambassador , Microsoft	Jan 2021
Mayor's Recognition of Service , City of Sugar Land	May 2019
Eagle Scout ,	Mar 2019
Claude Certified Architect - Foundations , Anthropic	
AWS Certified Machine Learning – Specialty , Amazon Web Services (AWS)	
AWS Certified Cloud Practitioner , Amazon Web Services (AWS)	

SKILLS

Python (Programming Language) · Linux · Verilog · Debugging · Research · Data Analysis · Nonprofit Organizations · Drone Building · Communication · Organization Skills · Debate · Drone Piloting · TypeScript · JavaScript · SQL · Claude API · Claude Code · LLMs · Prompt engineering · React · Next.js · Node.js · PostgreSQL · Azure · Docker · APIs · Git · Vercel · Claude Certified Architect (Anthropic) · Claude API Certificate (Anthropic) · Hugging Face AI Agents course