# Ankit Chatriki

ankitchatriki2006@gmail.com | Berkeley, CA | LinkedIn

## EDUCATION

### University of California, Berkeley

**BA in Applied Mathematics & Operations Research** | Expected Graduation: May 2028

## SKILLS & EXPOSURE

- **Technologies & Data:** Python (Pandas, NumPy, Prophet, FastAPI), SQL, PostgreSQL, Excel, Tableau, MATLAB, Supabase, REST APIs
- **Enterprise Systems & AI:** Oracle ERP Cloud (Exposure), ERPNext, PLM Systems, Claude API, AI Agents, Model Context Protocol (MCP), n8n, Webhooks
- **Supply Chain & Operations:** Demand Planning, Supply Planning, Inventory Optimization, Bill of Materials (BOM), EOQ, Reorder Point Optimization, Safety Stock, Supplier Lead-Time Analysis, Supply Risk Assessment
- **Analytics & Optimization:** Time-Series Forecasting, Monte Carlo Simulation, Newsvendor Modeling, Cost Modeling, Rolling-Origin Backtesting, Forecast Accuracy (WAPE, MASE)
- **Business & Strategy:** Business Operations, Process Improvement, Requirements Gathering, Stakeholder Interviews, Market Research, Go-to-Market Strategy, Enterprise Pre-Sales

## WORK EXPERIENCE

**Trinamix Inc. | AI Solutions Engineering Intern | Aug 2025 – Mar 2026 | Remote**

- Analyzed enterprise supply chain challenges and Oracle ERP requirements, identifying opportunities for predictive analytics and AI-driven process automation.
- Delivered live demonstrations of demand planning, predictive analytics, and automation solutions to enterprise stakeholders, translating technical capabilities into operational value.

**Atara AI | Co-Founder & Automation Lead | Aug 2025 – Present | Berkeley, CA**

- Designed and deployed AI voice agents and automated lead qualification workflows using n8n, REST APIs, and webhooks to streamline SMB operations.
- Led customer discovery, market research, and GTM planning to identify operational bottlenecks, define buyer requirements, and evaluate pilot opportunities.

**Pristine Window Service | Founder & Operator | Jun 2023| East Bay, CA**

- Founded and operated a profitable residential service business generating $40K+ in revenue in 5 weeks, managing financial planning, inventory, and daily operations.
- Managed sales teams, route scheduling, and service logistics while standardizing onboarding and KPI tracking to improve operational consistency.

## PROJECTS

**Fern — Engineering Change & Supply Chain Impact Analysis | Cal Hacks 2026, Top 20 Hyphenate Track**

*Team Project | TypeScript, ERPNext, PLM, Claude Agent SDK, Monte Carlo Simulation*

- Co-developed an AI-assisted system integrating PLM and ERP data to automate engineering change cost assessments, supplier risk analysis, and production planning.
- Applied deterministic modeling and Monte Carlo simulation to estimate financial exposure, identify a 13-week supplier-driven delay, and evaluate $180K in potential qualification savings in a simulated aerospace scenario.
- Automated impact reporting, approval routing, and ERP-ready change packages, generating assessments in approximately 60 seconds with auditable calculations.

**Sutra — Demand Forecasting & Supply Chain Analytics Copilot**

*Developer & Creator | Python, FastAPI, Meta Prophet, SQL, PostgreSQL, Claude API*

- Built an operations analytics copilot integrating POS sales, labor, operating expenses, and recipe-level costs to continuously estimate profitability and surface operational risks.
- Developed a dedicated demand forecasting service using Meta Prophet to model trends and weekly seasonality; achieved 13.1% WAPE and 0.79 MASE through 40-fold rolling-origin backtesting on synthetic data.
- Engineered a 28-menu-item, 65-SKU BOM pipeline using SQL, applying EOQ, safety stock, reorder points, shelf-life constraints, and newsvendor modeling to optimize replenishment and daily prep.
- Integrated an AI insights layer across demand, inventory, and cost data, identifying a simulated 77% inventory surplus and 154 units at expiry risk, with actionable purchasing and promotional recommendations.