

Nirali Patel

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EDUCATION

Columbia University

Master of Science in Management Science and Engineering (Focus in AI)

New York, NY

Sept. 2026

California Polytechnic State University

Bachelor of Science in Biomedical Engineering, Minor in Entrepreneurship

San Luis Obispo, CA

Sept. 2022 – June 2025

EXPERIENCE

Supply Chain Document Processing Extern

Pfizer

March 2026 – Present

Remote

- Developed a generative AI-powered document processing pipeline using Python, OCR, and layout-aware extraction to structure unstructured pharmaceutical data
- Implemented RAG architectures enabling LLMs to retrieve and reason over domain-specific regulatory document
- Built and deployed an interactive RAG chatbot using Gradio; conducted stakeholder demos to optimize prompt engineering for non-technical users

Industrial Engineering Intern

SLAC National Accelerator Laboratory

Sep. 2025 – Present

Menlo Park, CA

- Audited technical pipelines via cross-departmental user research to map systemic friction points and define system requirements
- Built leadership dashboards to guide resource allocation and structure data for predictive AI modeling

Product Management Extern

BeReal

Jan 2026 – March 2026

Remote

- Evaluated 5+ feature hypotheses utilizing the RICE framework to optimize product engagement loops and retention-driving mechanics
- Synthesized research insights into a structured PRD-lite defining user personas, success metrics (KPIs), and technical requirements
- Developed end-to-end user flows and Figma prototypes, validating hypotheses via usability testing to reduce user friction by 40%

Product and Growth Analytics Intern

QuickCruit.ai

June 2025 – Sept 2025

Remote

- Deployed a MongoDB-Node.js-React analytics platform to centralize product metrics, reducing manual reporting workflows by 80%
- Conducted funnel and cohort analyses to identify onboarding drop-off, implementing UI/UX fixes that slashed early churn from 36% to 8.3%
- Modeled feature usage against infrastructure costs, executing growth experiments that increased Weekly Active Users by 17%

PROJECTS

AI Document Insight Platform | *Python, RAG, Prompt Engineering, Gradio*

May 2026

- Developed an end-to-end document processing pipeline utilizing OCR to ingest unstructured data into an LLM-driven knowledge base
- Engineered system evaluation benchmarks to rigorously test retrieval quality, pipeline robustness, and accuracy metrics

Cloud Jump Browser Game | *JavaScript, HTML/CSS, Git*

March 21

- Engineered an event-driven JavaScript platformer implementing physics-driven jump dynamics and custom front-end interface rendering

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, MATLAB

AI & Frameworks: RAG, Prompt Engineering, OCR, React, Node.js, MongoDB

Developer Tools: Git/GitHub, Gradio, Figma, Excel, Canva, Notion

Core Competencies: RICE Prioritization, Product Analytics, Funnel & Cohort Analysis, Lean Six Sigma