

Aaditya Gajula

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EDUCATION

Florida International University

B.S. in Data Science and Artificial Intelligence

Miami, FL

Expected May 2029

Relevant Coursework: Discrete Structures, Statistics, Linear Algebra, Calculus & Programming

EXPERIENCE

Te Vārtā

Founder, AI, iOS, Financial Research

Jan 2026 – Present

- Founded an AI-powered investment research platform designed to turn 100s of fragmented news articles, filings, and market signals into personalized research briefs for individual investors.
- Built the initial product and research pipeline around 3 core workflows: personalized onboarding, continuous market monitoring, and source-backed investment intelligence.
- Leading a 2-person founding team toward an MVP targeted for 20–25 initial beta users, with a focus on reducing the time required to track companies, market events, and portfolio-relevant developments.

Parrami Finance Private Limited

Credit Analyst Intern

Mumbai, India

Apr 2026 – Jul 2026

- Assessed creditworthiness of 100+ borrowers by analyzing financial statements, credit reports, and cash-flow profiles, directly supporting lending decisions on loan portfolios exceeding \$5M.
- Reduced credit assessment turnaround time by ~25% by building standardized Excel models (PivotTables, XLOOKUP, financial ratio analysis) to evaluate 200+ client records.
- Conducted quantitative market research and cash-flow analysis for 50+ businesses across multiple industries, producing risk evaluations used in final credit recommendations to senior analysts.

My Style

Software Development Intern

Mumbai, India

Jun 2024 – Jul 2025

- Developed and debugged features for small-scale web applications in Java and Python, improving feature reliability by 20% through iterative testing and bug triage.
- Built and tested RESTful API integrations across connected services, reducing integration errors by 15%.
- Shipped 50+ pull requests through Git-based code review with documentation, and wrote unit tests that cut recurring bugs and improved code quality by 20%.

PROJECTS & RESEARCH

Search Engine from Scratch | *Python, FastAPI, BM25, Vector Search, Information Retrieval* | [Link](#) Sep 2026

- Engineered a search engine from first principles with a custom inverted index, BM25 retrieval, spell correction, synonym query expansion, and hybrid sparse-dense ranking.
- Reduced 10,000-document query latency from 540 ms to 17 ms through retrieval and scoring optimizations, while benchmarking relevance with Precision, Recall, MRR, and NDCG.

GatorQuantHacks | *Python, Quantitative Finance, Backtesting* | [Link](#) Oct 2026

- Developed an event-driven trading strategy analyzing SEC Form 8-K listing-deficiency filings, identifying **1,223 signals across 585 companies** to investigate patterns in stock price movements.
- Built a historical backtesting framework evaluating abnormal returns and risk-adjusted performance, achieving a **73.3% win rate, 1.17 Sharpe ratio, and 35.9% cumulative return** on a 45-signal audited sample, subject to data-quality and validation limitations.

PharmaBeacon | *Machine Learning, Python, FDA Data* | *2nd Place – AIS xTech Challenge* | [Link](#) Oct 2026

- Developed an ML-powered pharmaceutical shortage prediction system using 12 years of FDA data, achieving **61.3% recall** in a 2026 evaluation of 90-day shortage risk.
- Built an explainable risk-monitoring platform ranking approximately **3,000 medications** by shortage risk, integrating historical backtesting, FDA-backed evidence, and hospital-facing dashboards.

TECHNICAL SKILLS

Languages: Python, Java, SQL, JavaScript, Swift, HTML/CSS

Frameworks & Libraries: FastAPI, React, Next.js, scikit-learn, XGBoost, SHAP, Pandas

AI & Systems: LLM APIs, Vector Search, Information Retrieval, REST APIs, Machine Learning

Tools: Git, Docker, PostgreSQL, CI/CD

Finance: Financial Modeling, Credit Analysis, Ratio Analysis