

Sanjit Addepally

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EDUCATION

Rutgers University, New Brunswick, NJ

Expected May 2027

Bachelor of Science in Industrial and Systems Engineering

GPA: 3.86/4.0

- School of Engineering Dean's List (all semesters)
- Organizations: IISE, Engineering Governing Council, Tau Beta Pi, Alpha Pi Mu

TECHNICAL PROJECTS

StreetSide: Intelligent Waste Management | *Early-Stage Technical Lead*

March 2026 – Present

- Defined and built data pipeline product architecture for an intelligent waste management platform, translating ultrasonic IoT sensor inputs into dynamic routing logic for up to 50 bins, reducing fuel costs by a projected 18%.
- Partnered directly with founders to actively refine product-market fit, deployment strategy, and technical requirements, iterating on design based on operational constraints and enterprise customer feedback.

Stochastic Hedge Combined Trading Tool | *Product Owner/Developer*

May 2026 – Present

- Engineered a systemic hedging strategy in Python to capitalize on markets with low algorithmic saturation, developing automated monitoring and execution to generate a 10-20% profit per trade.
- Iterated strategy from manual hedging to automated full, partial, then tiered hedging based on performance data, balancing KPI targets with risk profiles to optimize outcomes across various volatile markets.

RU-SAFE Campus Security System | *Product and Technical Lead*

October 2025 – March 2026

- Led a 5-member team to develop an AI-powered campus safety prototype to reduce crime alert latency from 21.4 hours to under 30 minutes with a custom model, reaching the final round of the Verizon Smart Campus competition and delivering a 15-minute technical pitch presentation and prototype demo to judges.
- Translated student interviews into technical requirements for multiple user personas, creating a three-layer system (low-latency detection, manual reviewing, and user interface) enhancing the experience for 80% of the student body.
- Designed a cost-efficient, scalable deployment model by retrofitting existing infrastructure for a new IoT network.

Horizon Analytics: A Portfolio GPS | *Technical Product Lead*

October 2025 – December 2025

- Architected and deployed a financial analytics MVP using Python/Flask, integrating HMM regime detection and Monte Carlo simulations to bring actionable portfolio health insights to retail investors.

EXPERIENCE

Focus Financial Partners

New York, NY

Technical Product Management Intern (Solutions)

June 2026 – August 2026

- Led the department-wide integration of an insurance policy lifecycle analytics platform across 30+ integrated firms, mitigating opportunity loss to generate a conservatively projected \$375k in annual revenue.
- Automated reporting workflows for the Solutions team using Excel VBA, Power Query, and Power Automate to combine AI tools with human domain knowledge to reduce reporting time by 78%.
- Led technical vendor evaluation for automated reconciliation software, analyzing system compatibility and creating a team-wide vendor decision framework to be used for future software product needs.

Institute of Industrial and Systems Engineers (IISE) Rutgers Chapter

New Brunswick, NJ

Operations Vice President

April 2025 – Present

- Managed a \$10,000 budget and grew yearly revenue by 33% to \$8,000 by optimizing internal/external workflows.
- Partnered with parent organization to overhaul internal operations and restore the chapter to top-tier status.

SKILLS & HONORS

Technical Proficiencies: Excel, Python, Tableau, SQL, Clickup, AutoCAD, Solidworks, Matlab, Salesforce, Miro

Methodologies: Product Roadmapping, Agile, Root Cause Analysis, Kaizen, DMAIC

Certifications: Aha! Product Management Professional Certificate, Lean Six Sigma Green Belt & Yellow Belt

Awards and Scholarships: Richard N. Weeks Endowed Scholarship, Professor Elsayed A. Elsayed Endowed Scholarship

Languages: English, Telugu, Spanish, and Sanskrit

Hobbies: Chess, Reading, Formula 1, Strategy Gaming, Racing