

# VIVAAN KAUSHIK

vkaushik@andrew.cmu.edu • 412-251-6314 • Pittsburgh, PA • [Linkedin](#)

## EDUCATION

### Carnegie Mellon University

Master of Science in Engineering Management & Artificial Intelligence (AIE-ETIM)

### Vellore Institute of Technology, Vellore

Bachelor of Technology in Computer Science Engineering

- CGPA: 9.23/10
- Top 2% amongst the graduating class

Pittsburgh, PA

Dec. 2026

Vellore, India

May 2025

## WORK EXPERIENCE

*Voll Sante (Food manufacturer and supplier, received top awards from the Government of India)*

Mumbai, India

Product Strategy Intern

- Led B2B partnership strategy across fitness, hospitality, and wellness industries, generating 15+ qualified leads.
- Developed pitch decks, co-branded campaigns, and GTM collateral, improving partner conversion by 30%.
- Delivered competitor benchmarking insights that informed pricing strategy and market positioning across 3 industry verticals.

*Ernst & Young (EY)*

Mumbai, India

Product Management Intern (Gen AI)

Jan. 2025 – June. 2025

- Designed and launched a GenAI-powered procurement automation system, reducing manual work by 40%.
- Conducted stakeholder interviews, requirements gathering, and process mapping to prioritize high-ROI automation use cases.
- Built and presented a product roadmap and adoption strategy to leadership teams, driving alignment across business units.
- Embedded AI-driven insights into dashboards, enabling faster decision-making and boosting efficiency by 25%.

*Franklin Templeton*

Mumbai, India

Information Security Intern

May. 2024 – June. 2024

- Managed a project to rebuild email classification models, improving phishing detection by 18%.
- Presented a data-backed proposal to senior stakeholders, leading to adoption of an adaptive prevention framework.
- Coordinated cross-functional teams to deliver security upgrades on time, avoiding potential compliance penalties and audit risks.

*Tata Elxsi*

Bangalore, India

AI Product Intern

Aug. 2023 – Sept. 2023

- Delivered WCAG-compliant Whisper AI transcription API that reduced accessibility reporting time by 25% through collaboration with UX and engineering teams.
- Proposed deployment at edge nodes to optimize latency vs. performance, influencing product scalability decisions.
- Accelerated delivery of 3 high-priority features by guiding backlog trade-offs between technical feasibility and user needs.

*Tata Capital*

Mumbai, India

Cybersecurity Research Intern

April. 2022 – May. 2022

- Designed a root-cause classification framework for incidents, improving reporting and risk analysis.
- Authored a white paper on emerging fintech threats that informed the internal audit team's 2022–23 risk framework.

## PROJECTS

**Machine Learning Intrusion Detection System (UPCON 2024)** | Python, ML, Feature Selection | [LINK](#)

Sept. 2024

- Designed anomaly detection system that achieved 92% accuracy across multiple attack types.
- Optimized feature selection pipeline, reducing model training time by 30% while ensuring scalability.
- Published results in IEEE Xplore after presenting at IEEE UPCON 2024.

**STD Prediction with Machine Learning** | Python, SciKit-Learn | [LINK](#)

Jan. 2024

- Built and tested ML classifiers, with the top-performing model achieving 87% accuracy in predicting STD likelihood.
- Identified top 5 predictive features, providing clinically relevant insights to inform diagnostic decision-making.

**Real-time Computer Vision System** | Python, OpenCV, CNNs

Sept. 2023

- Managed end-to-end delivery of athlete recognition system, achieving early completion and meeting real-time performance benchmarks.
- Achieved 90%+ accuracy and outlined applications in sports analytics.

**LSTM-based Weather Forecasting** | Python, TensorFlow

Feb. 2023

- Built LSTM forecasting model that improved short-term weather prediction accuracy by 12% over baseline models.
- Demonstrated model applications in logistics planning, enabling cost savings through more accurate demand forecasting.

## SKILLS & LEADERSHIP

- **Product & PM Skills:** Roadmap Development, Requirements Gathering, Stakeholder Management, Market Research, Customer Discovery, GTM Strategy, Agile/Scrum, Performance Optimization
- **Technical Skills:** Python, SQL, Tableau, Excel, MATLAB, Wireshark, Java, R
- **Leadership & Service:** Coordinated medical camps serving 300+ patients; organized tech fests (IEEE, Robotics Club, Anokha NGO).