

Rahul Mehta

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EDUCATION

Georgia Institute of Technology

Bachelor of Science in Data Science, Minor in Applications of AI and ML

May 2027

GPA: 4.0/4.0

TECHNICAL SKILLS

Languages: Python, Java, TypeScript, JavaScript, SQL

AI/ML: PyTorch, LangChain, RAG, LLM evaluation, Vertex AI and Gemini, Pinecone, Hugging Face Transformers

Web & Cloud: React, Next.js, Node.js, FastAPI, Postgres, Supabase, Firebase, GCP, Vercel

PROFESSIONAL EXPERIENCE

Osmoti, Co-Founder & CTO, Atlanta, GA

Mar 2026 - Present

- Co-founded an AI marketing department that small businesses run by text; built the agent that drafts and publishes Meta and Google ads behind owner approval, posts to social, texts back new leads, and requests reviews.
- Live with paying customers; built revenue attribution from ad to booking, and an early customer turned \$360 in ad spend into \$6,500 of booked revenue in 14 days.

Manhattan Associates, R&D Software Engineering Intern, Atlanta, GA

Summer 2026

- Built and published PromptKnight, a Java prompt-validation framework pairing deterministic checks with Gemini on Vertex AI; surfaced defects in 7 of 8 production prompts across four agent repositories.
- Integrated it into three agent evaluation and regression workflows as a pre-deployment quality gate.

Beach Box Safe, Founding Systems Engineer, Atlanta, GA

Apr 2025 - Present

- Built a real-time analytics platform integrating Firebase with Retrieval Augmented Generation (RAG) pipelines, enabling hotel partners to track usage and revenue, driving a ~60% increase in demand.
- Developed a new business model alongside three co-founders and closed the first hotel partnership, generating \$100K in revenue over 2 years.
- Designed and deployed the Beach Box website and an AI chatbot fine-tuned on customer service, leading to a ~200% increase in website traffic and investor engagement.

Southwire, AI/ML Engineer, Atlanta, GA

Aug 2025 - Nov 2025

- Designed Southwire's first enterprise-grade RAG pipeline using Pinecone and custom embeddings, cutting analytics costs by ~30% in the Marketing Division.
- Led AI Team on Palantir Foundry optimization, deploying predictive models and anomaly detection systems that drove \$3M+ in machine efficiency revenue.

Southwire, AI/ML Intern, Atlanta, GA

May 2025 - Aug 2025

- Developed natural language AI query interface for instant data visualizations and actionable recommendations, reducing analysis turnaround time by ~95%.
- Created a predictive analytics software forecasting critical marketing and business KPIs using Prophet.

CSharpCorner, Machine Learning Engineer Intern, Philadelphia, PA

May 2024 - Aug 2024

- Built an AI-powered career coaching chatbot using Langchain and PyTorch, delivering personalized recommendations to 5,000+ users.
- Conducted hyperparameter fine-tuning for AI chatbot using PyTorch, enhancing response accuracy by ~30%.
- Rebuilt C# Corner website UI using Next.js to enhance user experience and accessibility.

DI Squared LLC, Data Analytics Consultant, Atlanta, GA

May 2021 - Aug 2023

- Delivered client-facing dashboards and reports connecting marketing and operations KPIs to business outcomes.
- Presented analytical presentations and marketing campaign materials to clients.

RESEARCH INVOLVEMENT

AI Safety Initiative (AISi), Technical Fellow

Jan 2026 - Present

- Selected for a highly competitive technical fellowship focused on mitigating catastrophic risks from advanced AI, covering alignment, interpretability, and goal specification research.
- Collaborating with researchers affiliated with leading AI safety labs including Anthropic on frontier safety problems and empirical alignment research.
- Reviewing and presenting on cutting-edge AI safety papers published at top venues (ICLR, ICML, ACL), developing novel approaches to robustly aligning AI systems with human intentions.

College of Computing, Undergraduate Researcher

Aug 2024 - Dec 2025

- Presented deep learning research at Harvard's 2025 National Collegiate Research Conference (NCRC), focusing on NLP models for legal clause detection.
- Engineered a deep learning model to identify arbitration clauses in Terms of Service contracts; improved classification accuracy through preprocessing and benchmark evaluation tuning.
- Analyzed large-scale legal text datasets to support research on algorithmic fairness and contract transparency.