

Jay Kilaparthi

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SUMMARY

Master's in Information Systems graduate with 3+ years of experience across analytics, product development, and AI engineering. Built and deployed real-world applications using GPT-4, Whisper, Supabase, and cloud tools, with experience spanning early-stage startups and nonprofit consulting. Skilled in building backend workflows, designing AI-driven tools, and using data to inform product and business decisions. Co-inventor on a published patent for AI-based fault detection in solar energy systems.

EXPERIENCE

Founding Engineer | Hello Inbox | New York City March 2025 – Present

- Currently building a voice-first AI assistant that helps users manage their inbox using GPT-4o and Whisper.
- Customized open-source infrastructure (InboxZero) to implement real-time email parsing, priority detection, and automated responses across mobile and desktop.
- Integrated Twilio APIs to enable voice and SMS-based Gmail access, enhancing productivity for mobile-first users.

Co-Founder & Technical Lead | Patchly | New York City October 2024 – March 2025

- Designed and built MVP of a student event discovery platform tailored for commuter students at CUNY.
- Collected insights from 100+ student surveys and 50+ interviews to guide development, increasing prototype engagement by 30%.
- Presented at the CUNY New Venture Accelerator and secured a \$1,250 prize based on product vision and go-to-market plan.

AI Engineer | Keeya | New York City January 2024 – August 2024

- Launched a generative AI platform for voice-based memory preservation, helping users record and relive emotional messages with high fidelity.
- Developed scalable backend workflows using Supabase and serverless logic, achieving 98% system uptime with minimal engineering support.
- Increased user satisfaction to 85% in feedback surveys by iteratively refining product flows and enhancing UX with voice-first interfaces.

Manager – Fundraising & Operations | Make a Difference | India June 2022 – December 2023

- Led a 15-member team to execute data-driven campaigns that raised \$30K+, surpassing fundraising goals by 20% and supporting 100+ underprivileged students.
- Developed real-time Power BI dashboards to monitor donations and volunteer metrics, improving donor retention by 25%.
- Organized 3 donor engagement events and executed segmented email campaigns to expand recurring donor base by 200+ individuals.

Business Development & Strategy Consultant | Impact Consulting | Remote August 2021 – May 2022

- Sourced 10+ pro bono consulting projects by identifying qualified nonprofit leads and managing end-to-end client onboarding.
- Conducted stakeholder discovery and led a strategic engagement focused on improving volunteer engagement for a youth education nonprofit.
- Created strategy briefs and final recommendations adopted by client leadership, improving program participation by 18%.

EDUCATION

M.S. Information Systems | Baruch College–Zicklin School of Business | GPA: 3.85 | New York City May 2025

- Graduate Teaching Assistant for Python & Data Analytics; supported 150+ students over two semesters.
- Built a predictive pricing model for Airbnb using NYC crime data; analyzed IT strategy for Baruch's transition from Blackboard to Brightspace.

SKILLS

- **Data & Analytics:** Python (Pandas, NumPy), SQL, Excel, Power BI, Tableau, Alteryx
- **AI & Automation:** GPT-4, Whisper, APIs, Prompt Engineering, Supabase, AWS (Lambda, S3)
- **Frontend & Dev Tools:** HTML/CSS, JavaScript, TypeScript, Git, Vercel
- **Product & Strategy:** Product Roadmaps, Survey Design, Stakeholder Interviews, Market Research
- **Soft Skills:** Cross-functional Collaboration, Strategic Thinking, Client Communication