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, 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   **May 2025 – Present**
- Currently building a voice-first AI assistant that helps users manage their inbox using GPT-4o and Whisper.
- Customized n8n workflows to implement real-time email parsing, priority detection, and automated responses across mobile and desktop.
- Integrating Twilio API to enable voice and SMS-based Gmail access, enhancing productivity for mobile-first users.

AI Engineer | Keeya | New York City   **January 2025 – May 2025**
- 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.

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.

Manager – Fundraising & Operations | Make a Difference | India   **June 2022 – December 2023**
- Managed a team of 15 fundraising volunteers, helping exceed donation goals by 20% and raising over $12,000 to support education for 100+ underprivileged children.
- Used PowerBI dashboards to track campaign progress and team performance, supporting data-driven decision making.
- Supported planning and outreach efforts for donor engagement, contributing to long-term donor relationships across multiple cities.

Business Development & Strategy Consultant | Impact Consulting | Remote   **August 2021 – May 2022**
- Researched and compiled a database of 100+ nonprofit leads to support client outreach and pipeline growth.
- Assisted in stakeholder interviews and supported project scoping for engagements focused on volunteer engagement strategy.
- Helped prepare strategy briefs and reports used by senior consultants to present recommendations to nonprofit clients.

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.
- CUNY Reading Corps Tutor – helped 2nd-grade students at NYC public schools improve reading fluency.
- Built a predictive pricing model for Airbnb using NYC crime data; developed SafeBite NYC to analyze and filter restaurants on health inspections; evaluated IT strategy for Baruch's LMS transition (Blackboard → Brightspace).

SKILLS

- **Languages:** Python, HTML/CSS, Javascript, Java, C, C++, SQL
- **Frameworks/Libraries:** React, Node.js, Express, Tailwind, Pandas, NumPy, Pytorch, Tensorflow
- **Databases:** PostgreSQL, MongoDB, Supabase, Firebase
- **Cloud & DevOps:** AWS (S3, Lambda, EC2), Vercel, GitHub, Docker
- **AI/ML Tools:** OpenAI API, HuggingFace Transformers, LangChain, Whisper, Gemini API
- **Analytics/ETL:** PowerBI, Tableau, Excel, Alteryx, n8n (workflow automation)
- **Other:** REST APIs, System Design, Agile, OOP, CI/CD, Prompt Engineering