

RIAN FERNANDO

New York, NY | P: 516 272 9110 | rian.fnando@gmail.com | [LinkedIn](#) | [Rian Fernando · GitHub](#)

EDUCATION

ADELPHI UNIVERSITY

B.S in Computer Science (Software Engineering and Double Major in Artificial Intelligence)
Dean's List | Secretary of Adelphi AI Society and Resident Student Association Leader

Garden City, NY

Graduation: May 2028

WORK EXPERIENCE

DATA SCIENCE INTERN, NCINGA Pvt. Ltd (Colombo, Sri Lanka)

June 2025 - August 2025

- Engineered a multilingual AI voice agent for telecom clients, integrating English, Sinhala, and Tamil. Leveraged NLP and Python to automate customer interactions, reducing query resolution time by 40% and leading product demos to drive adoption of workflow automation.
- Developed robust Python algorithms for phone number parsing, normalizing 15+ spoken variations across languages. Designed telecom-specific validation logic, achieving 99% accuracy, streamlining onboarding, minimizing manual intervention, and ensuring reliable real-time data capture for analytics and support.
- Led full-stack migration and branding updates for enterprise AI assistants, ensuring seamless deployment of user-facing components. Coordinated backend, frontend, and design teams to implement scalable, low-latency API-driven knowledge search, enhancing user experience, system reliability, and cross-team collaboration.

TECHNOLOGY INTERN, Premium International Technologies (Colombo, Sri Lanka)

April 2023 - September 2023

- Conducted system security audits and device monitoring, analyzing network activity and access logs. Identified and resolved compliance gaps, implemented corrective actions, and documented findings, enhancing IT safety, reducing vulnerabilities, and ensuring adherence to industry-standard security protocols.
- Collaborated in daily stand-ups with IT teams, optimizing workflows and addressing infrastructure bottlenecks. Facilitated communication, tracked progress, and proposed solutions, driving improvements in IT management, operational efficiency, and fostering a culture of continuous process enhancement.
- Spearheaded automation for device health checks and security verifications, designing scripts for real-time monitoring. Reduced manual oversight by 30%, minimized errors, and enabled faster detection and response to incidents, strengthening IT resilience and incident response capabilities.

SCHEDULING SPECIALIST, Bridges To Adelphi Program (Garden City, NY)

February 2025 - Present

- Designed and implemented semi-automated scheduling systems, leveraging Google Sheets automation to optimize weekly meeting pairings, streamline student-staff coordination, and significantly reduce manual scheduling errors.
- Collaborated with program leadership to analyze student availability data, identify workflow inefficiencies, and propose data-driven solutions that improved scheduling accuracy and enhanced overall program efficiency.

PASSION PROJECTS

THE AI SUMMIT SERIES HACKATHON

New York City

Fetch.AI Innovation Lab - Runner's Up

December 2024

- Co-developed Thera AI, a therapy-focused journal app with mood and emotion tracking dashboards, integrating multilingual agents and weather-based insights to analyze environmental effects on mental health and recommend mood-elevating locations.
- Engineered backend agents using Python, Hugging Face, and OpenAI APIs to process journal entries, translate multilingual input, and generate empathetic responses, delivering actionable analytics and personalized support for teenage users.

LINKEDIN POST GENERATOR

- Architected multi-source trend aggregation pipeline ingesting 75+ daily items across Hacker News, Reddit, RSS, and News API; implemented intelligent deduplication and relevance scoring system, reducing irrelevant content noise by 45%.
- Engineered end-to-end post quality pipeline with four-layer OpenAI prompt engineering, multi-weighted similarity detection, and 78-entity tagging; deployed full-stack architecture on Vercel, Render, and Supabase.

YALUWO - SOCIAL NETWORK FOR INTERNATIONAL STUDENTS

- Designed a verified social platform enabling international students to connect with home-country peers across US universities via ".edu" verification, with mentor relationships from alumni and faculty to deepen community ties.
- Architected full-stack system spanning web and mobile with multi-region country-instance deployment, Supabase Realtime messaging, role-based RLS policies for country-data isolation, progressive schema migrations for product evolution, and admin moderation systems.

LEADERSHIP & HONOURS

Levermore Global Scholars - Outstanding First Year Excellence Award

Adelphi University, 2024 - 2025

- Awarded for academic excellence, leadership, and active participation in global learning and community initiatives within the Levermore Global Scholars program.

President - Linen Hall Residence Hall Council

Adelphi University, November 2024 - Present

- Elected leader of the residence hall council, responsible for advocating student needs, organizing community-building events, and collaborating with university housing staff.

TOOLBOX

Proficient in Python, Java, C, C++, HTML, CSS, PHP, SQL, R

Skilled in cloud/devops (Render, Github), project tools (Jira, Notion), UI/UX design (Figma, Canva)