

RIAN FERNANDO

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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 trilingual AI voice agent supporting English, Sinhala, and Tamil that cut customer query resolution time by 40% across telecom clients, by building Python NLP pipelines, designing conversational flows, and leading live product demos to drive enterprise adoption of workflow automation.
- Delivered a multilingual phone number parsing engine reaching 99% validation accuracy across 15+ spoken variations, by writing Python normalization algorithms and telecom specific validation logic that eliminated manual intervention during customer onboarding and ensured reliable real time data capture.
- Shipped a full stack migration and rebrand of enterprise AI assistants with zero downtime during rollout, by coordinating backend, frontend, and design teams and rebuilding user facing components on top of a scalable, low latency API driven knowledge search layer.

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

April 2023 - September 2023

- Strengthened enterprise IT security by closing every compliance gap identified across audited devices, by running system security audits, analyzing network activity and access logs, implementing corrective actions, and documenting findings against industry standard protocols.
- Improved IT team throughput by eliminating recurring infrastructure bottlenecks flagged in stand ups, by facilitating daily syncs, tracking cross functional progress, and proposing targeted workflow solutions that embedded continuous process improvement across the team.
- Cut manual oversight of device health and security checks by 30% with faster incident detection and response, by designing automation scripts for real time monitoring and security verification that surfaced anomalies earlier and strengthened overall IT resilience.

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

February 2025 - Present

- Rolled out a semi automated scheduling system for weekly student and staff meeting pairings that removed the majority of manual scheduling errors, by building Google Sheets automations and coordination workflows that replaced error prone manual assignment.
- Improved scheduling accuracy and overall program efficiency by delivering data driven recommendations adopted by program leadership, by analyzing student availability data, mapping workflow inefficiencies, and proposing targeted solutions that were integrated into ongoing operations.

PASSION PROJECTS

THE AI SUMMIT SERIES HACKATHON

New York City

Fetch.AI Innovation Lab - Runner's Up

December 2024

- Co built Thera AI, a therapy focused journaling app that earned Runner's Up at the Fetch.AI Innovation Lab hackathon, by designing mood and emotion tracking dashboards, integrating multilingual agents, and layering weather based insights to recommend mood elevating locations for teenage users.
- Delivered personalized analytics and empathetic responses that powered the live hackathon demo end to end, by engineering backend agents in Python with Hugging Face and OpenAI APIs to process, translate, and analyze multilingual journal entries in real time.

LINKEDIN POST GENERATOR

- Built a multi source trend aggregation pipeline ingesting 75+ daily items from Hacker News, Reddit, RSS, and the News API that reduced irrelevant content noise by 45%, by implementing intelligent deduplication and a weighted relevance scoring system across heterogeneous feeds.
- Shipped an end to end post quality pipeline generating production ready LinkedIn content evaluated across 78 entity tags and multi weighted similarity checks, by layering four stage OpenAI prompt engineering and deploying a full stack architecture on Vercel, Render, and Supabase.

YALUWO - SOCIAL NETWORK FOR INTERNATIONAL STUDENTS

- Developed Yaluwo, a verified social platform connecting international students to home country peers across US universities, by designing gated ".edu" verification, alumni and faculty mentor matching, and community focused product flows that deepen peer and mentor relationships.
- Architected a full stack web and mobile system serving multi region country instances with real time messaging and isolated country data, by deploying Supabase Realtime, enforcing role based RLS policies, running progressive schema migrations, and building admin moderation tooling.

LEADERSHIP & HONOURS

Levermore Global Scholars - Outstanding First Year Excellence Award

Adelphi University, 2024 - 2025

- Earned the Outstanding First Year Excellence Award within the Levermore Global Scholars program, awarded to a select cohort of first year scholars, by sustaining academic excellence, taking on leadership roles, and actively contributing to global learning and community initiatives.

President - Linen Hall Residence Hall Council

Adelphi University, November 2024 - Present

- Serving as elected President of the Linen Hall Residence Hall Council representing residents to university housing leadership, by advocating student needs, organizing community building events, and partnering with housing staff to measurably improve the resident experience.

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)