

# NAY LIN AUNG

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## SUMMARY

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Full-stack Software Engineer with hands-on experience building and deploying production-grade applications using Java, Python, JavaScript, and React. Proven ability to own complex projects end-to-end, from hardware-software integration to cloud deployment, across real-world client environments. Passionate about building technology that creates meaningful impact at scale.

## WORK EXPERIENCE

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### CPSHub | Data Scientist Intern

Dubai, UAE | Jan 2025 – Jul 2025

- Engineered automated Python pipelines using Selenium and BeautifulSoup, harvesting 30,000+ records across dozens of websites with near-zero data loss.
- Cleaned, validated, and processed over 40,000 rows of data to production-grade standards, ensuring reliability for CPSHub's core database platform.
- Researched and evaluated cutting-edge AI applications to identify high-impact opportunities for enhancing client services on the platform.

### Oleo Energy | Data Scientist Intern

Dubai, UAE | May 2024 – Aug 2024

- Drove a 10% improvement in trade efficiency by analyzing 10,000+ oil trade records using advanced statistical modeling in Python.
- Delivered executive-facing Tableau dashboards visualizing complex market trends, directly informing high-stakes strategic decisions for senior stakeholders.
- Automated data processing workflows using Python, significantly improving reporting speed and reliability across the organization.

## EDUCATION

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### Rochester Institute of Technology

Rochester, NY | Aug 2022 – May 2026

*B.S in Computing & IT*

## SKILLS

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**Languages:** Java, Python, JavaScript, SQL, C, Assembly

**Frontend:** React.js, HTML5, CSS3,

**Backend:** Spring Boot, Node.js, Express.js, REST API Development

**Databases:** PostgreSQL, MySQL, MariaDB, Oracle DB

**Cloud & DevOps:** AWS EC2, AWS S3, GitHub Actions, CI/CD Pipelines, Linux

**Libraries & AI:** pandas, NumPy, Selenium, BeautifulSoup, matplotlib, OpenAI API, GoogleAISTudio,

**Tools:** Git, IntelliJ, VS Code, Figma, Tableau

## PROJECTS

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### MESA Socially Intelligent Robot | Raspberry Pi, Conversational AI, VR, Python Imagine RIT 2026

- Led full end-to-end hardware-software integration of a socially intelligent robot capable of reading human emotions and holding real conversations, built across two university campuses.
- Featured live on Channel 10 News at Imagine RIT 2026, drawing hundreds of visitors; built alongside a VR digital twin running in parallel with the physical robot.

### IoT Greenhouse Monitoring System (Capstone) | ESP32, Node.js, React.js, GoogleAISTudio, MySQL

- Led backend engineering for a 6-person team, architecting an end-to-end IoT system integrating an ESP32 camera, a Gemini AI pipeline for real-time plant classification and hydration data, and a live React dashboard.
- Built Node.js/Express backend on RIT's Linux infrastructure, handling image ingestion from hardware and serving real-time sensor data to the frontend.

### Professional Society Election Platform | Flask, PostgreSQL, HTML/CSS/JS

- Led a team of 4+ engineers to deliver a production-grade election system with a 4-tier RBAC model supporting concurrent elections, real-time result aggregation, and participation analytics.
- Engineered a heavy-load PostgreSQL schema and complete admin dashboard with secure session-based authentication and a polished voter portal.