Agraw Mindaye

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EDUCATION

New Jersey Institute of Technology — Newark, NJ
Bachelor of Science in Computer Science — Dec 2024

SKILLS

Programming: C, C++, JavaScript, Python, SQL, Assembly
Embedded Systems: ESP32, STM32, Arduino, ARM Cortex, TCP/IP, I2C, SPI, RTOS
Controls & Automation: AutoCAD, PLC Programming
Tools & Platforms: Git, GDB, Logic Analyzer
Certifications & Training: Android Development (CodePath), Embedded Systems (PyjamaBrah)

EXPERIENCE

Handshake AI — Remote
AI Trainer — Oct 2025 – Present

- Develop and evaluate domain-specific prompts to assess the performance of large language models (LLMs)
- Analyze LLM outputs for scientific accuracy, clarity, and depth in specialized subfields
- Contribute to improving AI understanding of complex topics through expert review and feedback
- Conduct independent research to support prompt development and evaluation tasks

NAGY Ventures — Newark, NJ
Software Developer — Sep 2024 – Dec 2024

- Developed an online portal that centralized branding, marketing, and sales solutions, allowing clients to manage campaigns and track engagement metrics in real time
- Integrated live social media APIs to give businesses instant visibility into performance trends, enabling data-driven marketing decisions
- Partnered with cross-functional teams to design a user-friendly interface using React, improving client adoption
- Optimized platform responsiveness across devices to support high-traffic usage, ensuring reliability and scalability

Bergen Community College — Paramus, NJ
STEM Student Intern — May 2021 – Aug 2022

- **Web Development**: Designed and developed a wayfinding application; built UI with JavaScript/CSS and mapped building images in AutoCAD, resulting in an interactive tool that improved navigation for users in large facilities
- **Cybersecurity**: Led a research project simulating real-world cyber threats; implemented a keylogger, Trojan Horse, and boot sector virus, conducted phishing simulations and demonstrated vulnerabilities
- Collaborated with faculty mentors and fellow interns on research initiatives in web development and cybersecurity
- Facilitated weekly sync meetings with interns and faculty to coordinate tasks and track project milestones
- Presented research findings at a college symposium to an audience of students, faculty, and industry professionals

PROJECTS

Smart Environment Dashboard (GitHub)

- Engineered an ESP32-based system in C++ to log DHT11 sensor data to an SD card
- Integrated an I2C LCD with physical buttons to enable manual scrolling through sensor logs
- Optimized data logging logic to ensure display consistency during sensor polling and user interaction

Embedded Systems (Micro Projects)

- **LED Control Panel**: a microcontroller-based interface for an LED control panel using digital I/O (GitHub)
- **Servo Motor Control**: control the angle of a servo motor with real-time potentiometer input (GitHub)

ADDITIONAL EXPERIENCE & AFFILIATIONS

Alumni Community Member | CodePath | Remote — May 2025 – Present