



## Skills

Excel | Office | JSON | AI/ML | UI/UX

Java | C/C++ | Python | HTML | Linux | CSS | SQL

CPR | AED | MHFAR | Task Management | Data Evaluation | Operations/Project Management | Data Analytics

## Education

**Bachelor of Science** - Major in Information Technology/Cybersecurity**Kean University**

Union, NJ

2022 - Current

Member of CAHSI &amp; Kean University Association of Computer Machinery | AI4ALL | Great Minds In Stem 2023 | Girls who code | WiCys | Academic Achievement Award · Obosi Development Association USA

## Experience

### Participant

**AI4ALL College Pathways**

Remote

05/2025-Current

- Created a data-driven AI project analyzing urban water and sanitation access across global geographies from 1990 to 2023, forecasting trends through 2028
- Identified and assessed a persistent negative gap (avg. -30.28 percentage points), highlighting systemic inequalities in urban infrastructure development.
- Delivered insights that support global efforts to improve urban living conditions, guiding stakeholders in resource allocation and strategic planning.

### Hackathon

**KeanuHackathon**

Union, NJ

03/2025

- Constructed a dynamic web-based app for air quality monitoring and documentation system for polluted areas in the United states
- Collaboratively addressed technical challenges, ensuring timely resolution while meeting project deadlines.

### Hackathon

**Great Minds In Stem Conference**

Pasadena, CA

Fall 2023

- Demonstrated exceptional problem-solving abilities and a deep understanding of password security and cryptographic protocols.
- Focused on Linux hash cracking to demonstrate and expand on technical expertise in information security and vulnerability analysis.

### Career Services, Intern

**Kean University**

Union, NJ

08/2023 - 01/2024

- Audited internal systems for performance and data accuracy, offering insights aligning with compliance objectives.
- Analyzed employment trends and classified system-based metrics to support data-driven decisions.
- Maintained and updated internal platforms, aligning with secure, user-friendly digital practices to promote accessibility.
- Curated social media and event outreach to show a 60% increase in student activity engagement.

### Participant

**AI4ALL College Pathways**

Remote

10/2023 - 12/2023

- Studied the applications and fundamental technical concepts of AI, including types of machine learning, gradient descent, and neural networks.
- Investigated ethical implications and highlighted research related to data processing and AI implementation.
- Showcased the application of machine learning models as an interactive educational tool for image classification tasks.

### Head Lifeguard/Assi. Coach

**Boys & Girls Club of America**

Newark, NJ

06/2022 - 08/2024

- Reached out to sponsors and built relationships for fundraisers, raising over \$100,000 for the development of the BGCN Swim Team.
- Consulted the aquatics director with budgeting and administration, matching them with the pool facility and faculty needs.
- Coordinated and administered team-building exercises and conducted program/project management in aquatics and relative departments.
- Oversee the BGCN Swim Team and instruct with coaching and training over 100 children ranging from toddler to teen.

## Projects

**AI4ALL Project** Python, Javascript, Pandas**Water and Sanitation**

Remote

05/2025 - 08/2025

- Deployed a Prophet time series model to forecast urban water and sanitation access rates for various regions in a large dataset.
- Analyzed forecasts to determine which countries are predicted to meet a 90% access goal by 2028, with over 58% of regions meeting the forecast goal.
- Investigated and identified the years with the largest positive and negative gaps while generating visualizations to illustrate historical trends in access rates.
- Summarized project goals, key findings, and limitations, including challenges in forecasting for certain geographies in a punctual manner.

**Personal Project** SQL, HTML, CSS**Camp Database**

Union, NJ

03/2025 - 04/2025

- Built an employee dashboard with a secure login system using PHP and session management to authenticate and monitor access.
- Integrated CRUD functionality for updating employee departments, titles, salaries, and termination processes.
- Implemented security measures such as session validation and data sanitization to prevent unauthorized access and maintain data integrity
- Enhanced user experience and improved site responsiveness by incorporating meta tags and scalable styling.

**KeanuHackathon Project** CSS, HTML, Javascript**Good Air Is Fair**

Union, NJ

03/2025

- Designed a user-friendly application using HCI principles, ensuring accessibility and optimized layout for various screen sizes.
- Enhanced user activity by combining multiple data points into visualizations with JSON handling and real-time error checking.
- Performed code reviews, UI/UX testing, and cross-browser compatibility checks to ensure high-quality deliverables.

**Personal Project** HTML, CSS, Javascript**Flower Machine Learning**

Union, NJ

10/2023 - 12/2023

- Developed a real-time flower classification tool leveraging machine learning for classifications of flower types with a 70% success rate.
- Included a responsive interface for seamless interaction and live model visualization, integrating live webcam functionality to capture images.
- Employed modern web design principles for clean UI/UX, including interactive real-time result displays.

## Leadership & Volunteering

Cougar Volunteers | Maplewood care Society | Kean African Student Association | Kean Haitian Student Association