

NOORUL SAMA SAHEL

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EDUCATION

KEAN UNIVERSITY - Union, NJ

Expected Graduation Date: May 2026

B.S Computer Science

Relevant Coursework:

Discrete Structures, Computer Organization and Architecture, Data Structures and Algorithms, Object Oriented Analysis and Design, Computer Operating System, Computer Systems

HONORS, CERTIFICATIONS, & EXTRACURRICULAR

Research Program(s): **Freshman Research Initiative** - Feb 2023 | **Research First Initiative (Machine Learning)** - Jan 2024

Bootcamp(s): **AI4ALL** (Scholar) - October 2023

Organization(s): **Muslim Student Association** (Member), **ACM - Association for computer Machinery** (Member), **ACM for women** (Member), **Kean association of marketing** (Member)

WORK EXPERIENCE

○ **Technical Specialist** Kean University | OCIS

Union, NJ | October 2023 - Present

- Provided timely and effective technical support to professors and campus personnel, addressing hardware and software issues promptly.
- Offered exceptional customer service, maintaining a patient and approachable demeanor while addressing user concerns.

○ **Student Assistant** Kean University | Department of CPS & Tech

Union, NJ | January-May 2023

- Independently managed various tasks assigned by the manager such as creating handouts on Canvas by utilizing strong design skills to make them visually appealing and user-friendly for students.
- Demonstrated strong research skills by going through more than 100 websites to collect information on school and scholarship resources for students and organizing the information in a user-friendly manner.
- Contributed to the successful planning and execution of departmental events such as the NCWIT event and senior showcase by helping with organization.
- Demonstrated strong organizational skills by creating and maintaining systems for managing resources and materials, such as organizing 300 folders for Open House folders.

PROJECTS

FRI | Student Researcher

Union, NJ | May-September 2023

The Freshman Research Initiative is a 6-week research project with a Kean faculty mentor. The project focuses on using machine learning to detect fake news articles. The selected model, GloVe, was created by Stanford University using Natural Language Processing (NLP). It was trained with a fake news dataset and showed 99.9% accuracy in detecting fake news.

AI4ALL (Discover AI) Program | Student Researcher

Union, NJ | October - Present

Discover AI is a 10-week program focused on artificial intelligence. It covers topics such as AI understanding, bias, collaboration, and feedback. Throughout the program, we used Python programming for data sourcing and visualization, bias recognition and mitigation, and machine learning models. At the end of the program, we completed a Discover AI project.

RESEARCH

1. **N. Sahel**, D. Munoz, and D. Kwak, "Detecting Fake News Using Machine Learning," in 35th Annual GMIS Conference, Pasadena, CA, October 11-14, 2023.
2. **N. Sahel**, D. Munoz, L. Larrotta, B. Mirabal, J. Guerra, "Exploring Machine Learning Algorithms for Predictive Consumer Behavior in E-commerce", Discover AI (AI4ALL) program, Oct 6, 2023 - In progress.

SKILLS

Technical: Linux, Python, Java, Windows, Eclipse, VS code

Language: English, Pashto, Urdu, Hindi