

# NENGI POLLYN

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🔗 <https://github.com/nengi-pol> 🔗 <https://nengiport.netlify.app/>

## EDUCATION

### UNIVERSITY OF NORTH TEXAS

*Bachelor of Science in Computer Engineering & Minor in Mathematics. ---GPA: 3.85*

Relevant Coursework: Calculus, Data Structures, Data Analytics, Discrete Mathematics

Awards: 1x President's list, 3x Deans list

01/2023 – 05/2026

Denton TX, USA

## SKILLS

- Programming Languages: C++, Python, HTML, Java, JavaScript, CSS, RUST      Cloud Softwares: Microsoft Azure, AWS
- Softwares: Visual Studio Code, Sublime Text, Putty, PyTorch, Microsoft Azure, AWS, GitHub, Scratch, Figma, UI/UX Design

## PROJECTS

### Artificial Intelligence Teaching Assistant Chatbot      Python | PyTorch | Machine Learning

- Developed a response-based chatbot using **PyTorch** and **Python** based on middle school lesson notes (**Link to project**)
- Inputted data into a **JSON** file and made use of **tokenization** and **stemming** to enable the program easily predict user questions and give accurate responses
- Trained the chatbot with data from the teacher lesson notes and was able to get a low **epoch value** of **0.006** which signifies a high degree of response accuracy

### Academic Quiz Conductor

JavaScript | HTML | CSS

- Developed a program using JavaScript, HTML and CSS for conducting quizzes especially in academic environments (**Link to project**)
- Incorporated the use of JavaScript to organize question and answer mechanism and CSS for front-end designing
- Improved program's ability to run in optimal efficiency with little or no back-end supervision. Program also eliminates chances of examination malpractices

### Personal Portfolio Website

JavaScript | HTML | CSS

- Designed a user-friendly portfolio website showcasing my skills, projects, and contact information (**Link to website**) 🔗
- Achieved a fully responsive design that maintains optimal performance across all devices, evidenced by a **Google PageSpeed score of 95+** for both desktop and mobile views
- Implemented contact forms using **Web3Forms API** and social media integration ensuring website users can get access to me directly

## EXPERIENCE

### ARTIFICIAL INTELLIGENCE/COMPUTER SCIENCE RESEARCH

*University of North Texas*

05/2024 – 06/2024

Denton TX, USA

- Studied the effectiveness of 3 AI Chatbots in serving as a teaching assistant for middle-school students
- Teamed up with undergraduates, masters and PhD students to study the effectiveness of AI teaching assistance
- Developed a response-based chatbot which serves as a supplementary teaching assistance for students

### CUSTOMER SERVICE REPRESENTATIVE

*Achilles Security Services*

12/2023 – present

Houston TX, USA

- Served as communication interface between over 55 on-site locations and 63 security guards
- Received customer feedback, complaints and offered quick solutions to on-site issues
- Worked with on-site supervisors to ensure effectiveness of guards so to attain maximum customer satisfaction

## CERTIFICATIONS

**Web Design for everybody: Basics of web development & coding**

University of Michigan

**Developing industrial internet of things specialization**

University of Michigan

**Introduction to Structured Query language (SQL)**

University of Michigan

**Artificial Intelligence Fundamentals**

Issued by IBM

**Machine Learning Methods and Tools**

Issued by IBM

## VOLUNTEER EXPERIENCE

### PEER MENTORSHIP PROGRAM --- Tutor

*Dagogo Pollyn Foundation*

06/2023 – 07/2023

Lagos, NIGERIA

- Tutored a small group of 13 teenagers on importance of Artificial intelligence and college preparation courses
- Mentored 3 young aspiring Computer Scientist throughout the 3-week program
- Worked with program organizers to distribute incentives to program participants and their families

## INTERESTS

Computer Engineering, Software and Web Development, Mathematics, Machine learning, Data Analytics, Artificial Intelligence, Soccer