

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

Music Streaming Platform

React JS | CSS

- Developed a fully responsive website using **React JS** and **CSS** for streaming songs and albums with a template like Spotify
- Incorporated the use of files and structures to store student grades and academic records for effectiveness of the program
- Integrated multiple user defined functions and libraries such as dynamic arrays, enumeration and switch-case into the program

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