NENGI POLLYN

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

EDUCATION

UNIVERSITY OF NORTH TEXAS   01/2023 – 05/2026
Bachelor of Science in Computer Engineering & Minor in Mathematics. ---GPA: 3.85   Denton TX, USA
Relevant Coursework: Calculus, Data Structures, Data Analytics, Discrete Mathematics
Awards: 1x President's list, 3x Deans list

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 the question-and-answer mechanism for the program. Made use of 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   05/2024 – 06/2024
University of North Texas   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
- Served as communication interface between over 55 on-site locations and 63 security guards   Houston TX, USA
- 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	**Developing industrial internet of things specialization**	**Introduction to Structured Query language (SQL)**
University of Michigan	University of Michigan	University of Michigan

Artificial Intelligence Fundamentals	**Machine Learning Methods and Tools**
Issued by IBM	Issued by IBM

VOLUNTEER EXPERIENCE

PEER MENTORSHIP PROGRAM --- Tutor   06/2023 – 07/2023
Dagogo Pollyn Foundation   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