

VEERPAL SHAH

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WEBSITES, PORTFOLIOS, PROFILES

LinkedIn - <https://www.linkedin.com/in/veerpalsah/>

GitHub - <https://github.com/veerpalsah>

EDUCATION

Expected
Graduation
05/2025

Bachelor of Science: Computer and Information Science, Minor in Communications Technology, Minor in Mathematics

The Ohio State University - Columbus, OH

- GPA: 3.5
- Dean's List: AU21, SP22, AU22
- Relevant Coursework: Programming C++; Software Components, Design & Development (Java); Low-Level Programming and Computer Organization (C & x86-64 assembly); Discrete Structures; Data Structures and Algorithms; Digital Logic; Calculus Series; Statistics; Linear Algebra; Physics; Chemistry.
- Elected to Vice-President for Morrison and Siebert Community Council [September 2021 - April 2022].

SKILLS

Programming Languages (ordered by proficiency): Java. Python - matplotlib, pandas, biopython. C. C++. HTML/CSS. SQL. x86-64 assembly language.

Software: Git. GNU Debugger. Swing Framework GUI. VSCode. Microsoft Office Suite. Linux/Windows Command Line

WORK HISTORY

05/2023 to
Current

Student Researcher in Artificial Intelligence

Ohio State University – Columbus, OH

- Used large datasets written in TeX to train Fine-Tuned model of ChatGPT to generate natural and relevant responses, used for AI model training and performance evaluation
- Responsible for developing fine-tuned AI models using Python and OpenAI API for generating natural responses, enhancing system adaptability
- Produce MATLAB code to perform numerical computations, as well as generate a model simulation of relevant mechanical engineering concepts
- Will employ SQL databases for data storage and management, ensuring efficient data retrieval and usage
- Train model so it has the ability to learn quickly and adapt to new situations
- Regularly collaborate with the engineering team to address data-related technical issues and improve data infrastructure

05/2023 to
current

Student Operations Assistant - Ohio State University

- Event setup and teardown, housekeeping

Resource Room Student Assistant - Ohio State University

05/2023 to
current

- Provide support to over 1400 student organizations, and assist student organizations with technical and non-technical needs.
- Managed office supplies and resource distribution for student organizations, improving operational efficiency

Office Assistant - Ohio State University

09/2021 to
05/2023

- Create welcoming atmosphere for residents as well as visitors, and provide high-quality customer service
- Process incoming and outgoing mail and packages for 400 residents.

PROJECTS

Data Scraping – Working with biology researchers at The Ohio State University to extract information regarding certain amino acids from the NCBI Website. All extracted data is redirected to a database. Used **biopython** to accomplish this. Performed project solo.

GUI Calculator – Built a calculator with a user-friendly interface using **Swing Framework GUI**.

Word Cloud – Developed a realistic component-based application using **standard Java components** . Application consisted of parsing a text file to extract all words (without repeats), assembling them in ascending order and outputting them in the shape of a cloud with varying font sizes, on a webpage.

EVENTS

Hack OH/IO 2022 at The Ohio State University (October 2022) – Resolved Engie's challenge to compile data regarding resource usage across Ohio State's campus and display it as a dashboard. Used python libraries **matplotlib** and **pandas** to accomplish this task.

Hack OH/IO 2021 at The Ohio State University (October 2021) – Developed a web app that utilizes prescriber data to generate trend and target reports for doctors