

Vignesh Venkatesh

vxv5143@psu.edu | vignesh-venkatesh.github.io | linkedin.com/in/vignesh-2k3 | github.com/Vignesh-Venkatesh

EDUCATION

BACHELOR OF SCIENCE - COMPUTER SCIENCE

Aug 2021 - May 2025

The Pennsylvania State University

University Park, PA

- Cumulative GPA: 3.48 / 4.0
- Computer Science GPA: 3.78 / 4.0
- Involved in NDL (Nittany Data Labs), ACM PSU, HackPSU
- Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Digital Design, Data Management for Data Sciences, Systems Programming.

PROJECTS

REELSLEUTH | GITHUB, WEBSITE

- Developed a website for movie enthusiasts to **search, track, and manage** movie wish lists and favorites.
- Integrated **TMDB API** using **JavaScript** to fetch movie details and cast information.
- Implemented **user authentication** and **data storage** features using **Firebase**, ensuring secure login and personalized user experiences.
- **Technical Skills:** HTML, CSS, JavaScript, Firebase, TMDB API Integration

ETCH A SKETCH | GITHUB, WEBSITE

- Developed an **interactive Etch-A-Sketch application** using HTML, CSS, and JavaScript.
- Implemented **event listeners** for drawing functionality and **dynamic sketch creation**.
- Showcased proficiency in web development concepts such as **DOM manipulation and CSS styling**.
- **Technical Skills:** HTML, CSS, JavaScript

EXPLORATORY DATA ANALYSIS OF THE SPOTIFY DATASET | GITHUB

- Analyzed the Spotify dataset that contains data from the years 2000-2019 totaling up to **2000 rows**.
- Used **Pandas** to clean data used **Matplotlib** alongside the **Seaborn wrapper** to visualize data.
- **Technical Skills:** Python with Pandas, Matplotlib, Seaborn

WORK EXPERIENCE

CMPEN 270 LEARNING ASSISTANT

Aug 2023 - Present

The Pennsylvania State University

University Park, PA

- Managed and moderated an online class forum, providing feedback on student posts and facilitating discussions.
- Assisted professor in grading assignments.
- Collaborated with the professor and other teaching assistants to develop course materials.

SKILLS

- **TECHNICAL SKILLS:** Python, JavaScript, HTML/CSS, React, SQL, Git
- **LANGUAGES:** English (Bilingual), Tamil (Native), Hindi (Professional), Arabic (Elementary)