Vignesh Venkatesh

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

Personal Profile

An **undergraduate student** at the **Pennsylvania State University**, studying **B.S. Computer Science**. Currently seeking to attain an internship role in **Software Engineering**. Efficient software developer with a keen attention to detail.

Education

The Pennsylvania State University *University Park, PA*

B.S. Computer Science *Aug 2021 - May 2025*

- Cumulative GPA: 3.43
- Computer Science GPA: 3.74
- Involved in NDL (Nittany Data Labs), ACM PSU

Asian International Private School *Al Dhannah, U.A.E*

High School *Apr 2017 - Jun 2021*

- Passed XIIth from CBSE Board (95.6%, June 2021)
- Passed Xth from CBSE Board (94.6%, May 2019)
- Specialized in Math, Physics, Chemistry and Computer Science

Skills

Programming	Python (Pandas, NumPy), C, HTML/CSS, SQL, Git, Javascript.
Miscellaneous	Microsoft Office (Excel, Word, PowerPoint).
Soft Skills	Time Management, Teamwork, Problem-solving.
Languages	English (Bilingual Proficiency), Tamil (Native Proficiency), Hindi (Professional Proficiency)

Achievements

Ambassador

Emirates Foundation's Think Science Competition

- **Ambassador** for the nationwide competition **'Think Science'** hosted by Emirates Foundation in the U.A.E, where only around **600 teams** are selected from around 4000.
- Selected for one of my projects on **Eddy Current Braking System**.

Projects

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 and create new data frames to aid for visualizations.
- Used Matplotlib alongside the Seaborn wrapper to visualize data.
- **Technical Skills:** Python with Pandas, Matplotlib, Seaborn.

School Library Management System | GitHub

- Used Object Oriented Concepts to create a management system.
- Interfaced Python with MySQL with the mysql.connector module.
- Used Python to interact with text files to store summary of the books.
- **Technical Skills:** Python, SQL

Photo Water Marker | GitHub

- Used computer vision library OpenCV to watermark photographs.
- Used NumPy for transforming the watermark image.
- **Technical Skills:** Python

Work Experience

Pennsylvania State University *University Park, PA*

West Food Market Employee *Oct 2021 - Dec 2021*