

Vishnu Varadhan

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EDUCATION

Shrishti Vidyashram

10th std (92%)

Vellore, Tamil Nadu

Mar. 2020

Shrishti Vidyashram

12th std (82%)

Vellore, Tamil Nadu

Jun. 2022

Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering (cgpa 8.37)

Vellore, Tamil Nadu

Expected 2026

SKILLS

Programming Languages

Python, c, c++, java, javascript, GoLang, Kotlin

Frameworks/Technologies

Node.js, Express, PyTorch, NumPy, Pandas, React.js, MongoDB, Postgres, Azure Fundamentals, MySQL, PostgreSQL

Other Skills

Object oriented programming, Unit testing, API Development, Data Visualization

PROJECTS

SEAM CARVER | Python, NumPy, OpenCv, PIL, Git

[Link](#)

- **Developed a seam carving algorithm** to resize images intelligently by preserving important visual content while removing or adding pixels.
- **Implemented energy map calculation** using gradient magnitude to identify and preserve essential features during image resizing.
- **Enhanced image processing capabilities** by integrating Python libraries such as OpenCV and PIL for robust image manipulation and output.
- **Works for both expanding and shrinking the image** without affecting its important components or distorting the image.

DISCORD BOT | Python, OpenAI api, Git

[Link](#)

- Discord bot which utilizes **OpenAI's GPT-3 model** for AI-based interactions and supports setting reminders.
- AI Interaction: **Engage in conversations with the GPT-3 model** by using the command !ai followed by your query.
- **Reminders: Set reminders by using the command !rem** followed by the time duration and the reminder message.
- **Help Command: Access information** about bot commands using !help

MARS WEATHER | HTML, CSS, Javascript

[Link](#)

- Website that provides **up-to-date information on the weather** conditions on the planet Mars
- This website uses the **NASA api** to get the weather information on mars and displays it.
- The website **continuously retrieves the latest weather data from NASA's API**, ensuring that users are always presented with the most up-to-date information on Martian weather conditions.

STOCK PRICE BOT | Python, BeautifulSoup, Requests, Git

[Link](#)

- Python script that **scrapes a website to monitor the stock price** of a specific company and provides updates on whether the stock price is going up or down
- The bot utilizes **BeautifulSoup for web scraping** and requests for fetching webpage content. It continuously monitors the stock price of a specified company and writes updates to a text file.
- The updates include the current stock price and **indications of whether it's a good time to buy or sell** based on whether the price has gone up or down

OTHER ACHIEVEMENT

- Active member of ISTE club in the competitive coding domain
- Won Numerous leetcode badges and participated in numerous coding contest
- Participated in hackathon conducted by IEEE chapter -[Link](#)
- Completed Microsoft Azure AI-900 course -[Link](#)