Garimella Pavan Teja

1st Year Undergraduate
Computer Science & Engineering

Email : garimellapavanteja123@gmail.com
Phone : +91-7658958136
LinkedIn : Click here

Academic Qualifications

Year	Degree/Certificate	Institute	Marks
2026	Bachelor's degree	Vellore Institute of Technology, Vellore	8.58/10
2022	TSBIE(XII)	Sri Chaitanya Junior Kalasala, Hyderabad	97.3%
2020	BSE(X)	St. Patricks High School, Secunderabad	100%

Internship/Projects

Celeste Open AI ChatBot *(June '23 - Present)*
- Developed a Python-based chatbot with **3** APIs as frontend, utilizing Tailwind CSS and JavaScript for the backend.
- Provides audio output from audio input using ChatGPT for intelligent responses.

VITrade Web Application *(May '23 - June '23)*
- Created VITrade, a Firebase-powered web app featuring HTML and CSS frontend, serving as a university-focused OLX Clone.
- The website was implemented **100%** and was acclaimed as an Inspiring idea.

HACK2L Web Application *(May '23 - Present)*
- Developed HACK2L, a JavaScript and React.js powered web app that serves as an essential hackathon tool for students.
- Focuses on enhancing collaboration and productivity. Implemented **80 %** of the Backend and **40 %** of the Frontend.

Enchanting Exploration: Crafting and Analyzing the Disney Dataset *(Oct '22- Jan '23)*
- Utilized the BeautifulSoup library to extract data on Disney movies from various websites.
- Employed Pytest to ensure the accuracy and reliability of the code used for data cleaning.
- Implemented the Regular expressions library to identify and match specific patterns within the data.
- Saved and accessed data efficiently using Pickle and Requests libraries.

Tic-Tac-Toe Game - Web Development model *(Feb '23 - Apr '23)*
- Employed the Random module to strategically select unoccupied squares for medium difficulty levels.
- Leveraged the Min-Max tree algorithm to offer dynamic gameplay experiences across various difficulty levels.

Competitions

- Secured **The Best Freshers** title among **100+** teams in **Computer Society Of India** 2023 Hackathon.
- Ranked **Top 10** out of **250+ teams** in the **DevSoc** Annual Hackathon , VIT Vellore.
- Selected as **Finalists** in the graVITas **Smart India Hackathon - 2022** out of **200+ teams**.
- Secured **Perfect Scores** in **SHARP**, Learning Physics Through Simple Experiments, IIT Kanpur.

Research Work

Recent Advances in Separation of E-waste: Recovery and Recycling of Platinum Group Metals.
Supervisor Dr. Akella Sivaramakrishna, Professor of Chemistry, VIT University *(Oct '22- Present)*
- Researched recent advances in the extraction of Platinum Group Metals (PGMs) from e-waste.
- Explored various extraction methods used in the recovery and recycling of PGMs from e-waste.
- Contributed to the understanding of PGM extraction methods for e-waste recycling, aiming to promote sustainable resource management and reduce environmental impact.

Technical Skills

- **Languages:** C | C++ | Python | JavcaScript
- **Full-Stack technologies:** ReactJS, NextJS, HTML, CSS , NodeJs, FireBase.
- **Developer & Professional Applications:** Visual Studio Code | Google Collab | MS Office | GitHub | Figma | Fusion360.
- **Python packages:** Numpy, Pandas, BeautifulSoup, Matplotlib, Os, Datetime, Statsmodels.

Coursework Information

- **VIT Vellore :** Structured and Object Oriented Programming | Data Structures and Algorithms | Probability and Statistics | Quantum Physics and it's real-life Applications | Transform Calculus | Advanced Calculus | Linear algebra .
- **MOOCs:** Robotic Operating Systems | Control Systems | Basics of Ethical Hacking - Vulnerability Analysis | Financial Markets.

Positions of Responsibility

Core Member | FEPSI Club | VIT Vellore *(January '23-Present)*
- Mentored a team of **10+** players for year-round **Basketball** activities involving weekly training and practice sessions.
- Led a team of **10+** Students to victory in an **Inter Batch debate Competition - IBDC '23**.

Extra-Curricular Activities

- Participated in the **2019-2020** Indian Republic Day Parade as a Junior Troop under the Indian Navy - NCC.
- Starting player of a reputed University Level basketball team.