

# GARVIT

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## EDUCATION

### Vellore Institute of Technology, Bhopal

2022 - 2026 (expected)

Bachelor of Technology in Computer Science | GPA: 8.47 (cumulative)

**Relevant Coursework:** Data Structures and Algorithms, Database Management Systems, Object-Oriented Programming, Machine Learning, Operating Systems, Computer Networks, Cloud Computing, Web Development

## SKILLS

- **Programming Languages:** C++, Python, Swift, Java
- **Web Development:** JavaScript, Node.js, Express.js, Next.js, React.js, PHP, Flask, JQuery, HTML, CSS, Bootstrap
- **Databases:** PostgreSQL, MySQL, SQLite, Oracle SQL Developer, PhpMyAdmin
- **Tools & Platforms:** Git, Vercel, Netlify, Jupyter Notebook, Linux, Vim, Shell, Selenium, JWT, Figma, Cronjob, YAML

## PROJECTS

### Drawing Board Website | JavaScript, WhiteBoard.js, HTML, CSS

- Created an interactive drawing application, allowing users to draw and save their artwork.
- Integrated various drawing tools like pen, eraser, fill, and color options and undo, redo, and clear canvas option to enhance user experience.

### Personal Artificial Intelligence Voice Assistant | Python, Qt, Selenium, Neural Networks, NLP, OCR

- Programmed an intelligent virtual assistant, Artificial Linguistic Intelligence Computer Entity (A.L.I.C.E.), with capabilities in executing voice commands for total automation of tasks.

### Electronic Document Management System | PHP, JavaScript, AJAX, PhpMyAdmin, HTML, CSS, Bootstrap

- Designed a dynamic web-based application that allows users to efficiently manage their accounts by creating, updating, and deleting categories and notes, with a focus on user-friendly design and seamless functionality.

### Flappy Bird | Python, PyGame

- Developed a Flappy Bird game in Python, providing an engaging gaming experience.
- Constructed game mechanics, including collision detection, scoring system, and randomly generated obstacles.

### Command Line Tool To Zip And Unzip Files And Folders | JavaScript, Node.js

- Launched a file compression and extraction CLI Tool, enabling efficient zipping and unzipping of files.
- Enhanced file handling performance through optimized algorithms, resulting in faster processing times.

### Program Using Wake-On-Lan Protocol To Remote Power-On A Computer | C++, Makefile

- Made a CLI Utility to remotely power on PCs using the Wake-on-LAN protocol.
- Boosted network communication by optimizing the Wake-on-LAN packet transmission, ensuring reliable device wake-up.

### Tetris | JavaScript, HTML, CSS

- Built a classic Tetris game website using HTML, CSS, and JavaScript.
- Implemented game mechanics, including piece rotation, line clearing, and scoring systems.
- Ensured smooth gameplay and user engagement through efficient coding and debugging.

## ADDITIONAL CREDENTIALS

- **Certifications:** Elite+Silver Certificate in Cloud Computing, IIT Kharagpur (NPTEL), The Bits and Bytes of Computer Networking, Google (Coursera), Geodata Processing using Python, IIRS & ISRO
- **Achievements:** 5 Stars in C++ and Python on Hacker Rank, Ranked in the Top 5% of exam takers in NPTEL Cloud Computing, Runner-Up of Hack-Exchange
- **Extra-Curricular:** Co-Lead of Tech Team in Bit By Bit (Coding Blocks) Club, Organized and managed a coding contest, overseeing logistics, problem-setting, and evaluation