

Jenifer Shanmugasundaram

LinkedIn: [linkedin.com/in/jenifer-shanmugasundaram/](https://www.linkedin.com/in/jenifer-shanmugasundaram/)

Mobile: +91-6364235158

Email: jenifer.s2022@vitstudent.ac.in

SUMMARY

- Pre-final year undergraduate student with keen interest in advanced analytics, machine learning & AI research on foundational models
- Strong track record of scholastic excellence with impeccable soft-skills like strong critical thinking, great cross-functional collaboration, clear communication and able leadership

EDUCATION

- **Vellore Institute of Technology** Vellore, India
Bachelor of Technology - Computer Science, CGPA: 9.12/10 2022 - 2026
Relevant Coursework: Introduction to Computing & Programming, Data Structures & Algorithms, Machine Learning, Deep Learning, Discrete Mathematics, Calculus, Probability and Statistics.
- **Geetanjali Olympiad** Bangalore, India
Senior Secondary, Percentage: 95.4% (XIIth boards) 2020 - 2022
- **St. Francis School ICSE** Bangalore, India
Percentage: 96% (Xth boards) 2007 - 2020

TECHNICAL SKILLS

Languages: Python, Java, C++, SQL, Angular JS, Javascript, HTML, XML, Matlab, Verilog, Embedded C

Developer Tools: VSCode, JupyterLab, Git, IntelliJ, Apache Airflow, Eclipse, Keil

Operating Systems: Linux, Ubuntu, Windows

Cloud/Databases: AWS, Google Cloud Platform, MySQL, PCF/PKS

PROJECTS

- **Ambulance Orchestrator (ABO)** 14 March 2024 - 16 March 2024
Technica, Vellore Institute of Technology Vellore, India
 - Developed an Ambulance Orchestrator system utilizing PHP, MySQL, HTML, CSS, Google Maps API, and JavaScript to streamline ambulance dispatch and emergency response coordination.
 - Implemented secure user authentication and authorization mechanisms using PHP.
 - Leveraged Google Maps API and JavaScript to allow ambulance drivers to see the shortest route to the nearest hospital.
 - Created an intricate MySQL database schema enabling patients to securely upload medical histories and relevant data. Access restricted to authorized doctors ensures privacy compliance. Facilitates rapid access to patient information, enhancing efficient and personalized medical care delivery.
- **CGPA Calculator** October 2023 - November 2023
Vellore Institute of Technology Vellore, India
 - Engineered a CGPA calculator in Java, leveraging object-oriented programming for modular design and user-friendly functionality.
 - Implemented input validation and data persistence for accurate and reliable grade calculations. Utilized Java's GUI capabilities to create an intuitive and visually appealing interface.
- **ATM Simulation System** October 2023 - November 2023
Vellore Institute of Technology Vellore, India
 - Designed and implemented a robust ATM simulation system in Java, encompassing user authentication, account balance management, and transaction processing.
 - Employed object-oriented programming principles to ensure modularity and scalability.
 - Integrated secure data handling mechanisms and implemented a user-friendly interface for a realistic and efficient virtual banking experience.
- **Snake Game** July 2022 - August 2022
Personal Project Bengaluru, India
 - Engineered a classic Snake game in Python, leveraging object-oriented programming to create modular and maintainable code.
 - Implemented features like user input handling, collision detection, and scoring.
 - Integrated graphical elements using the Pygame library, showcasing proficiency in game development frameworks. Applied algorithmic logic for snake movement and food generation.

- **Tic Tac Toe** July 2022 - August 2022
Personal Project *Bengaluru, India*
 - Developed an AI-powered Tic Tac Toe game in Java, implementing the minimax algorithm for optimal decision-making.
 - Designed an interactive user interface, enabling seamless human-vs-AI gameplay.
 - Employed object-oriented programming to enhance code modularity and readability.
- **Student Management System** January 2022 - March 2022
Geetanjali Olympiad School *Bengaluru, India*
 - Developed a comprehensive student management system in Java, incorporating features such as enrollment, attendance tracking, and grade management.
 - Implemented a user-friendly interface for efficient data entry and retrieval. Utilized Java's object-oriented principles to ensure scalability and maintainability.
 - Integrated secure authentication mechanisms to protect student information. Successfully delivered a robust solution contributing to streamlined administrative processes in an educational setting.

HONORS AND AWARDS

- School Topper - Class X - ICSE Oct 2022
- School Topper - Class XII - CBSE - Apr 2022