

ARPITA SRIVASTAVA

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EDUCATION

Vellore Institute of Technology

Expected 2026

- *Computer Science Engineering with Specialization in Health Informatics*
- *CGPA: 7.80*

Jayshree Periwal High School

2022

- *12th Boards: secured 81.2% marks, ranked top 100 in the school*
- *Awards: 2nd rank in IEO Olympiad by SOF*

TECHNICAL SKILLS

- *Languages:* Python, Java, C, C++, JavaScript, Typescript, SQL, HTML, CSS.
- *Developer Tools:* VS Code, Android Studio, GIT.
- *Database:* MySQL, Firebase, MongoDB, SQLite, NoSQL.
- *Tools:* OpenCV, Django, React, Next.js, Tailwind CSS.
- *Machine Learning:* TensorFlow, Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn.

EXPERIENCE

Self-Cleaning Glass Case System (Patent), Lead Innovator

Jan 2024 to May 2025

- Designed a programmable UVC disinfection system for smart eyewear that eliminates 99.9% of microbial contaminants on the display surface.
- Integrated cutting-edge automated hygiene solutions to enhance the guest experience, driving a 15% rise in satisfaction scores.

Freelancing, Lead Innovator

Mar 2025 to May 2025

- Spearheaded the design and development of a core housing application and improved the workflow efficiency by 60% and scaled the project for over 10,000 users.
- Managed both frontend and backend development and implemented testing protocols and reduced the bugs by 40%, driving a 75% increase in customer satisfaction.

PROJECTS & LEADERSHIP EXPERIENCE

AI Detection of Breast Cancer and its Prediction, Lead Developer

[Link](#)

- Trained an AI-powered breast cancer detection system to differentiate between malignant and benign tumors on a dataset with 569 entries.
- Engineered and evaluated multiple machine learning models, achieved an accuracy of 97.31%.
- Implemented multiple machine learning models (Logistic Regression, Random Forest, Decision Trees) and selected the best-performing model achieving the precision rate of 98%.

OrbitWork – Employee Management Web App, Full Stack Developer

[Link](#)

- Designed and developed a responsive employee management dashboard using HTML, CSS, and JavaScript with a modern SaaS UI aesthetic.
- Implemented role-based UI flows (Employer vs Employee), reducing interface complexity by 40% compared to a single shared dashboard.
- Structured frontend data models to support scalable backend integration (users, tasks, todos, events), enabling seamless transition to REST APIs.

EXTRACURRICULAR ACTIVITIES

Fintech Club VIT Bhopal, Core Member of Content and Design Team

Jan 2025

- Drove a club-wide awareness initiative by crafting 12+ unique posters and narratives, resulting in a 25% increase in attendance at financial workshops.
- Partnered with 5 team members to seamlessly integrate visual and textual content, contributing to a series of event engaged over 200 participants per semester.

CERTIFICATIONS

- [IBM - Introduction to NoSQL Databases.](#)