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 flows (Employer vs Employee) using Django authentication, reducing interface complexity by 40% compared to a single shared dashboard.
- Structured RESTful APIs using Django REST Framework, allowing seamless frontend integration and future app scalability.

EXTRACURRICULAR ACTIVITES

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.