

ARYAN SINGH

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Education

VIT Bhopal University

Bachelor of Science in Computer Science-CGPA-8.47

Oct 2022 – 2026

Bhopal, Madhya Pradesh

Lalaji Memorial Omega International School

Class 12th-Percentage-85

2021 – 2022

Chennai, Tamil Nadu

Lalaji Memorial Omega International School

Class 10th-Percentage-95

2019 – 2020

Chennai, Tamil Nadu

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Programming
- Software Testing
- Database Management
- Machine Learning
- Agile Development

Projects

E-commerce site | HTML, CSS, Javascript

September 2023

- Developed a fully functional eCommerce website using HTML, CSS, and JavaScript, providing a seamless shopping experience for users.
- Developed a shopping cart feature that enables users to add, remove, and update items, with real-time updates on total price.
- Created user-friendly navigation and layout, enhancing user experience and increasing engagement.
- Optimized website performance by minimizing load times through efficient coding practices and image optimization.

Super Store Management System | Javascript, HTML, CSS, SQL, JSP

2023-2024

- Developed a comprehensive Super Store Management System using HTML, CSS, JavaScript, and SQL for backend database management.
- Created dynamic product pages that allow users to view, add, edit, and delete products with ease.
- Developed an image upload feature that allows users to save product images in the SQL database, enhancing product listings.

Coronary Calcium Detection and Scoring | Python, Flutter, U-Net

2024-2025

- Developed a system for detecting and scoring coronary calcium using advanced imaging techniques, contributing to early diagnosis of cardiovascular diseases.
- Utilized image processing algorithms to analyze computed tomography (CT) scans, identifying calcified plaques in coronary arteries.
- Integrated visualization tools to display calcium scores and relevant metrics, aiding in clinical decision-making.

Achievements

- Participated in the Accenture Hackathon and got selected to next round(Top 200).

Technical Skills

Languages: Python, Java, C++, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, Android Studio, Canva

Technologies/Frameworks: GitHub, Sci-kit, Tensorflow, OpenCV, U-net Architecture

Certifications

- Problem Solver-Mastering Data Structure and Algorithms-Faceprep.
- Certified Cyber Security analyst-IBM
- Bits and Bytes of computing-Google
- Scaler-DSA completion certificate