Aryan Singh
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Profile

Final-Year undergraduate Computer Science major with an aptitude for programming and a good foundation in computer science principles. An organized, motivated and adaptable individual with a proactive attitude and the ability to learn quickly. Proficient in various programming languages like Java and Python for analyzing problems and devising innovative approaches.

Education

VIT Bhopal University   **2022 − 2026**
B.Tech in Computer Science Engineering–CGPA-8.58   *Bhopal, Madhya Pradesh*

Lalaji Memorial Omega International School   **2021 − 2022**
Class 12 CBSE–85%   *Chennai,TamilNadu*

Lalaji Memorial Omega International School   **2019 − 2020**
Class 10 CBSE–93%   *Chennai,TamilNadu*

Projects

Super Store Management System | *Javascript,HTML,CSS,SQL*   **2023-2024**

- Built 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.
- Engineered 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**

- Formulated 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.
- Analyzed a dataset of patient records, identifying key demographic and clinical factors associated with high CAC scores.

Food Delivery Website | *React JS, MongoDB, NodeJS*   **May 2025-July 2025**

- Developed responsive and dynamic user interfaces using React, implementing features such as real-time order tracking, restaurant listings, and interactive menus.
- Built a RESTful API using Node.js and Express to handle user authentication, order processing, and data management.
- Used MongoDB for data storage, designing schemas for users, menu items, and orders to ensure efficient data retrieval and manipulation.

Technical Skills

Languages: Java, Python, HTML, CSS
Developer Tools: GitHub, VS Code, Android Studio,Canva
Databases: MongoDB, SQL
Technologies/Frameworks: React,OpenCV,U-net,Tensorflow

Certifications

- Certified Cyber Security analyst-IBM
- Bits and Bytes of computing-Google

Extra-Curricular Activities

- Participated in various Hackathons inluding Adobe,Accenture,Loreal and Walmart.
- Participated in regional tournaments in Badminton and skating.
- Grade 2 Keyboard Certification and certified by London school of music