



# ADITYA SARANGARAJAN

Chennai 600061  
7358608116  
adysarangarajan@gmail.com

## SUMMARY

**Undergraduate final year student** aspiring to get into the software and IT field. Have good knowledge of coding in languages such as **C, C++ and Java**. Can create basic webpages using **HTML, CSS and JAVASCRIPT**. Did one project in the **AI** domain for the application of **PEDESTRIAN PATH DETECTION**. Willing to learn and increase my knowledge given the opportunity. Learnt to handle Databases using **MYSQL and Java**.

## SKILLS

- C++
- C
- Java
- MYSQL
- HTML
- CSS
- PHP
- Node Js
- Mongo DB

## EDUCATION AND TRAINING

**VIT Vellore, Vellore, Expected in 06/2024**  
**B TECH Computer Science**  
CGPA: 7.52

**The PSBB Millennium School, Chennai**  
**All India Secondary School Examination**  
Percentage: 94%

**The PSBB Millennium School, Chennai**  
**All India Senior School Certificate Examination**  
Percentage: 94%

### Courses Done in the University

- Database Management Systems
- Operating Systems
- Java Programming
- Software Engineering
- Data Structures and Algorithms
- Design and Analysis of Algorithms
- Internet and Web Programming
- Theory of Computation
- Parallel and Distributed Computing
- Basic Electrical and Electronics Engineering
- Discrete Mathematics and Graph Theory
- Applied Linear Algebra
- Microprocessor and Interfacing
- Network and Communication

## WEBSITES, PORTFOLIOS, PROFILES

[linkedin.com/in/aditya-sarangarajan-b3a842284](https://www.linkedin.com/in/aditya-sarangarajan-b3a842284)

## CERTIFICATIONS

Database Design and Basic SQL in PostgreSQL  
• Learned to utilize PSQL and SQL commands to implement CRUD (Create, Read, Update, and Delete) operations for tables in a PostgreSQL database.  
• Built and differentiated between one-to-many and many-to-many relationships within PostgreSQL.  
• Recalled key people, organizations, and innovations that were instrumental to building the SQL standard.

## ACCOMPLISHMENTS

- Achieved a 94% in class 12 CBSE board Examinations
- Achieved a 94% in class 10 CBSE board Examinations
- Won Second prize in the School Talent Hunt for playing the violin
- Won 2 Subject Topper awards and an All-rounder award in std 9

## PERSONAL INFORMATION

- Date of Birth: 12 January, 2002
- Gender: Male

## LANGUAGES

- English
- Tamil
- Hindi

## PROJECTS

**Tourism Management System**, Prof Jayakumar K, 22/07/22, 22/12/22, Designed a tour booking website using HTML and CSS. Using MySQL, the booking information and profile was stored in the database. PHP was used to store the information got from the website's fields into tables. XAMPP Server was used to create new databases.

**Pedestrian Path Detection using YOLOv4**, Prof Rajesh Kannan, 03/01/22, 03/05/22, Using YOLOv4 and Python programming, a video was given as input. The video's frames were divided into blobs and rectangular detection boxes were generated for pedestrians in each frame of the footage. Then the entire video with the green boxes following the pedestrian was played as the output.

**Railways Ticket Reservation System using C++**, CBSE Class 12 project, Using classes, functions and pointers, a basic railways ticket reservation system was implemented for booking tickets.

**People count in an Auditorium using Arduino**, Prof Saraswathi Priyadarshini, 22/07/23, 22/12/23, Designed a hardware project with embedded C to count the number of people in a room. This project used two IR sensors, Arduino and a LED screen to display the count. The sensors were placed on the door and based on the order of triggering the count was incremented or decremented. However for exiting or entering both sensors will have to be triggered for a successful increment or decrement. Cases like opening the door but not entering will hence not be counted.

## ACTIVITIES AND HONORS

- I play Carnatic music on my violin.
- I like solving riddles to test my thinking skills.
- I play cricket and watch wildlife and cultural documentaries for learning more about our world.
- Reached the under 12 Level of Cricket
- Won a few awards in music competitions for playing the violin
- Completed the UCMAS course
- Took drawing classes and participated in drawing competitions