
Gender	Male
Date of Birth	25th October 2006
Languages Known	English, Tamil, Kannada
Email	nithiishdanasekar@gmail.com
Mobile	+91 9345497340
Github	https://github.com/NithiishSD
Linkedin	https://www.linkedin/in/nithiish-s-d



Address

10/163- Vignesh Nagar, Doddampalayam, Bhavani Sagar -
638451

ACADEMIC QUALIFICATION

Currently pursuing 2nd year of 5-year Integrated M.Sc. Software Systems at the Department of Applied Mathematics and Computational Sciences at PSG College of Technology.

SKILL SET

Languages	Python, C, C++, JavaScript
Platform	Linux, Windows
Tools	Git
Databases	MySQL, Oracle

AREAS OF INTEREST

-
- Full Stack Development
 - Data Structures And Algorithm

ACADEMIC RECORD

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- | | |
|--|-----------|
| • M.Sc. Software Systems, | 2024-2026 |
| PSG College of Technology, Coimbatore, | 8.54 CGPA |
| • XII (Higher Secondary, CBSE Board), | 2024 |
| Bannari Amman Public School, Sathyamangalam | 94 % |
| • X (SSLC, CBSE Board), | 2022 |
| Bannari Amman Public School, Sathyamangalam, | 93 % |

NON-ACADEMIC PROJECTS

- Arceus Gallery :

Responsive image gallery web app with Unsplash API integration, featuring dynamic masonry layout, advanced search functionality, interactive modal system with custom animations, and modern glass-morphism UI design. Technologies: HTML5/CSS3/JavaScript ES6.

ACADEMIC PROJECTS

- **SignBridge Real-Time Sign Language Translator:**

Developed a real-time sign language translator using MediaPipe and TensorFlow to recognize hand gestures from webcam input. Built a custom machine learning model integrated with OpenCV for accurate gesture classification, and designed a user-friendly GUI with CustomTkinter for live translation display. Implemented optimization techniques for improved accuracy and performance.

- **Asteroid Breaker:**

Developed a 2D arcade game featuring paddle-ball mechanics, collision detection, and multimedia integration using C and SDL2 libraries.

- **LifeSync:**

Developed an organ donation management system using C++, Qt, and SQL. Implemented priority queues to match donors and receivers based on urgency and compatibility. Used graph-based distance matrices to minimize hospital transfer times. Designed user-friendly donor and receiver interfaces for efficient interaction.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Competitive athlete with a focus on physical fitness and regular exercise.
- Actively solving problems on LeetCode and Hackerrank to enhance coding proficiency.

DECLARATION

I, Nithiish SD, do hereby confirm that the information given above is true to the best of my knowledge.

Place: Coimbatore

Date: 00/00/2025

(Nithiish SD)