

SENIOR COMPUTER SCIENCE STUDENT

Education

2021 - 2025

- ## GTB Public School, Faridkot

2020 - 2021

- ## Dasmesh Public School, Faridkot

2018 - 2019

IT Skills MS Office Tools (Word, Excel, PowerPoint)

Computer languages C++ | C | Python | HTML | CSS | JavaScript

Computer frameworks ReactJS | MySQL | Git | Flutter

Languages Known English (SRW), Hindi (SRW), Punjabi (SRW)

CourtKicks

July'24

Developed a comprehensive website dedicated to providing the latest updates on basketball sneakers.

- Offers a seamless user experience and keeps sneaker enthusiasts informed about new trends in the basketball sneaker industry.
- Ensures optimal user experience across all devices.
- Tech stack: HTML, CSS, JavaScript

June'24

Exercise Accuracy Detection using Smart Wearables

Developed a reliable solution using smart wearables to access exercise positions.

- Hardware involves working with Arduino and advanced IMU sensors that give input from the wearable.
- Built using RNN, SVM, and Random Forest Algorithm. Also includes hyperparameter tuning via cross-validation.
- Tech stack: Python, Pandas, TensorFlow, Scipy, Android Studio, SQLite, Kafka.

The Lighthouse

May'24

Built a Lighthouse along the seashore which works in simulation of patrolling in the night.

- Implemented using OpenGL and GLUT libraries.
- Used timing functions and transform techniques to create animations like switching between day and night.
- Tech stack: C++, Visual Studio, OpenGL.

Portfolio

June'23

Made a basic portfolio website.

- Made a portfolio website using basics of front-end web development and hosted it using github pages.
- Tech stack: HTML, CSS, Javascript

Medical Records Database System

May'23

Made a website which stored data about patient's health and medicines required.

June'22

- Database was made using python and PL/SQL which was stored in the backend.
- PHP was used in the construction of the website.
- Tech stack used : HTML, CSS, Javascript, PL/SQL, PHP.

- **Olympiads & Examinations:** Cleared NTSE Stage-1 Examination and secured AIR 86 in 15th National Science Olympiad.

Also secured 25th Rank in I-Quest's Scholastic & Mental Ability Test 2018.

- **Basketball:** Won multiple medals in Intra-University and Inter-University competitions including Gold at Ran-Neeti, IIT Mandi (2022) & Silver at URJA, Thapar University(2023).
- **School Band:** Represented my school band and secured 2nd position at International School Student's Carnival held at Punjab Degree College, Faridkot. Also took part in parades held on Republic day and Independence day.
- **Music & Orchestra:** Secured 1st Division in Tabla playing for 2 consecutive years in sangeet bhushan.Can play multiple instruments like drums, congo, bugle etc and represented the school in state-level instrument playing competition.