

Snehashish Laskar

INTERNATIONAL BACCALAUREATE (IB) STUDENT

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SUMMARY

International Baccalaureate (IB) student with a passion for programming, playing guitar and piano, and making a positive impact in the world. Skilled in creating innovative solutions through coding, while also engaging audiences with music. A dedicated change maker striving to use technology and creativity to drive positive change in society.

SKILLS

Python Programming	● ● ● ● ●	AWS cloud	● ● ● ● ●
Flask and Web Development	● ● ● ● ●	Public Speaking	● ● ● ● ●
Mobile Development using React Native	● ● ● ● ●	Linux	● ● ● ● ●
Database Management	● ● ● ● ●	JavaScript	● ● ● ● ●
		Java	● ● ● ● ●
		Git	● ● ● ● ●

EXPERIENCES AND LEADERSHIP

Intern Developer

Harsha Trust *Mar 2023 - Jul 2024*

Designed and Developed app and website to streamline and simplify the vaccination and deworming program of Harsha Trust to improve the livelihood of livestock dependent beneficiaries in remote tribal villages of Odisha.

Worked with team members to implement features such as reminder notifications, easy access to information on vaccines and dewormers, and tracking of vaccination history.

Conducted field testing and gathered feedback from rural and tribal households to improve app usability and effectiveness. Spent a week in rural Odisha to meet with vaccinators, coordinators and households, to optimise the app and its interface.

Participated in meetings and presentations to update stakeholders on app development progress.

Lead Guitar Ensemble player

KIS Music Department : Advanced Guitar Ensemble *Jul 2024 - Present*

Organised the ensemble members. Arranged the pieces to be played at both winter and spring concerts. In charge of coordinating the different players together. Played lead and solo parts at multiple concerts. Have been learning guitar for over 7 years. Played at approximately 11 concert performances with a big audience. Going to be performing at 3 more concerts. Have released 40+ songs on SoundCloud and 10+ YouTube videos.

President and Robotics Head

Science National Honours Society (KIS Chapter) *Aug 2023 - Present*

Researched on quantum chromodynamics and formation of diquarks in nuclei of atoms. Published an article on the school's intranet and recieved positive feedback on my research.

Appointed as the president of the organisation as well as the robotics head. In charge of overseeing the functioning of all departments such as robotics, scientific experiments, peer lectures and research collative. Also incharge of organising events and representing the organisation in school meetings and assembly.

Captain

KIS Badminton A Team *Aug 2024 - Present*

Participated in an inter-school tournament in ooty on 12th September. Played as a singles and doubles player. Out of 10 schools, our school placed third. Led the team to the first season in badminton ever. First badminton team from KIS to compete in inter-school tournaments.

Devices and Technology Head

KIS Carbon Net Neutral Project *Aug 2023 - Present*

Worked with peers on developing technologies and systems to decrease carbon impact and minimize wastage. Worked on water level sensors to solve water supply crisis in school.

Co-Founder and Co-President

KIS Multimedia Club *Dec 2023 - Present*

Founded club with peers to teach younger students skills such as video editing, audio editing, music production and 3D design. In charge of audio and music departments. [LinkedIn](#)

Vice President

KIS Coding Club *Aug 2023 - Present*

Gave student lectures on fundamentals of programming. Worked with members of the organisation on projects and competitions. Organised events and hackathons. Worked with advanced students on data modelling and prediction models using linear regression.

PROJECTS

Music Production

Sep 2021 - Present

1. Google Recognized Artist: [Snehashish Laskar](#)
2. Spotify Profile: [Snehashish Laskar](#)
3. Apple Music Profile: [Snehashish Laskar](#)
4. SoundCloud Music Profile (Over 50 songs): [Snehashish Laskar](#)

Menous DB

Sep 2022 - Present

Created Menous DB a lightweight, open-source database management system designed for simplicity and ease of use. It provides a RESTful API for managing databases and tables, making it suitable for a variety of applications. View [here](#)

Livestock and Deworming Tracker (Internship)

Mar 2023 - Jul 2024

Built an internal system to manage and optimize the vaccination and deworming program of Harsha Trust. Included a mobile app for data collection which was built using React Native, an interactive API used to calculate and model all the statistical calculation, and a web portal with different user levels to be used by the organisation. The database used was MenousDB instead of MySQL. View [here](#)

Spotify Downloader

Oct 2023 - Present

Developed a web app which is a workaround spotify premium. It uses the public Spotify API paired with the public YouTube API to download songs. It basically provides a free alternative to spotify premium. View [here](#)

Portfolio Website

May 2024 - Present

Built a portfolio website to display my goals, progress and achievements in academics, programming and music. View [here](#)

Mathematical Exploration in Trigonometry

Aug 2023 - Aug 2023

Project can be found [here](#). Used python to fetch and clean NASA's data on planetary positions. Used sinusoidal regression to interpret the data and use math and LoggerPro to model the data into equations for 3 celestial bodies for a geocentric model.

EDUCATION

Indian Certificate of Secondary Education (ICSE)

Sahyadri School - Krishnamurti Foundation India Jun 2018 - Mar 2023

Aggregate Score : 93%

International Baccalaureate Diploma Program (IBDP)

Kodaikanal International School Jul 2023 - Present

Current SAT Score : 1530 / 1600

Current IELTS Score: 8.0/9.0

Classes Taken IBDP1 (Grade 11) :

- Mathematics Analysis and Approaches (Higher Level) :
- Physics (Higher Level)
- Computer Science (Higher Level) :
- Economics (Standard Level) :
- English A Language and Literature (Standard Level)
- German Ab Initio (Standard Level) :

CERTIFICATION

CS50's Introduction to Artificial Intelligence

Harvard University

Worked on projects on the following topics: Search Algorithms, Computer Knowledge, Computational Uncertainty, Optimization Problems, Machine Learning, Neural Networks and Natural Language Processing

[View Certificate](#)

LANGUAGES

English



Hindi



Bengali



German



AWARDS

Distinction

Fermat Math Contest - Waterloo University

Received distinction in the Fermat math contest conducted by the University of Waterloo.