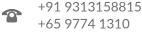
NEIL ARORA





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SKILLS

Web Development

- HTML / CSS
- Firebase Hosting
- Cloudflare

Low Level Programming and Embedded

Technologies

- Holy C / C
- Objective C
- Firmware Development

Game Development

- C# with Unity
- GDscript with Godot
- Blueprints with Unreal Engine

Robotics and Electronics

- ATMEGA chipsets
- Raspberry Pi
- ESP microprocessors
- STM32 and ARM architecture
- PCB designing and Manufacturing

CAD and **CAM**

- Fusion 360
- G-CODE generation (Slicer Manipulation)
- 3D printing and CNC
- Fluid Simulations

Database Management

- MySQL
- Supabase

Computer Vision

- Python
- OpenCV

Soft Skills and Interests

- Leadership and Mentorship
- Saxophone
- Golf
- Event Management and Hosting
- Research Skills

EXPERIENCE

PARIKSHA PE CHARCHA

JANUARY 2024

PRESENTER AND DEVELOPER

One of 11 students selected from CBSE schools nationwide to showcase my project to **Hon'ble Prime Minister Narendra Modi.** The technologies used include ATMEGA 328P, Objective C,

CAD/CAM, Manufacturing and Virtual Testing on Fusion 360.

CBSE SCIENCE EXHIBITION

DECEMBER 2023

CO-LEADER AND ENGINEER

We were the **winners** of the Transport and Communication Category at Regional Level.

The technologies used include ATMEGA 328P, Objective C, CAD/CAM, Manufacturing and Virtual Testing on Fusion 360.

F1 IN SCHOOLS

2022-2023

TEAM MANAGER, CAR DESIGNER AND MANUFACTURING ENGINEER We were the **winners** at Regional Level.

We qualified for Nationals where we won **Fastest Reaction Time** Award and were **one of top 14 teams.**

The technologies used include CAD/CAM, Manufacturing, Virtual Testing on Fusion 360, Fluid Simulation and Material Science.

WORLD ROBOTICS CHAMPIONSHIP 2019,2022 & 2024 LEADER. DEVELOPER AND ENGINEER

We were selected for international level in 2024 and 2022.

We were selected for **international level** in 2019 and were the **world finalist**.

The technologies used include ATMEGA 328P, Objective C, CAD/CAM, Manufacturing and Proportional-integral-derivative controller.

INTEL ARTIFICIAL INTELLEGENCE

MAY 2022

STUDENT AND DEVELOPER

I was selected by **Intel** to create a Emotion Detection Software.

The technologies used include Python and OpenCV.

OTHER EXPERIENCES

PROGRAMMING CERTIFICATIONS

• Certified with highest grade in **HTML and CSS**.

CODATHONS

- Participated in Google Code-A-Thon.
- Participated in Apple's Swift Playground Challenge.

MISCELLANEOUS

- Co-Founder and Programmer at GenericCube Studios.
- 1st Prize in ATL Tinkerfest 2024 Seth Aandram Jaipuria 2024.
- Participated in the Innovation To Elevate competition hosted by the Government of Uttar Pradesh & NASA.
- Participated in ALO hosted by IIT Delhi.
- Participated in Reverberations 2019 hosted by Bal Bharti Public School.
- Certified in Quantum Computing from IIT Delhi.
- Received testimonial for helping at Sports Day at ISS, Singapore.
- Winner of Knowledgeable learner profile award in G-11 at ISS, Singapore.

OTHER ACHIEVEMENTS

ACADEMICS

- All India Secondary School Examination 96.6% aggregate.
- Scholar Badge Holder in Grades VI and IX (LVISN).
- A Top 20 student in Grade X, Awarded with Scholar Badge and cash reward (LVISN).
- Eligible for **Scholar Badge** in Grades **VIII** and **VII** (LVISN).
- Honour Roll recipient for Grade XI and top 5 student (ISS).

STUDENT COUNCIL

- Was given the responsibility of Vice IT Captain in LVISN.
- Was given the responsibility of **House Captain Nalanda** in LVISN.

ONLINE LEARNING COMMUNITY

• Was given the responsibility of Vice President of the STEM OLC in LVISN .

NATIONAL YOUTH AWARD

 Received personal recommendation by Dr. Ruchi Seth (Director-Principal, Lotus Valley International School, Noida) for National Youth Award by Government of India.

SCHOLARSHIPS

ISS INTERNATIONAL SCHOOL

JAN 2025

MERIT SCHOLARSHIP

I was awarded an **80% scholarship** based on my merit to attend **ISS International School, Singapore**.

DS RESIDENCES

JAN 2025

MERIT SCHOLARSHIP

I was awarded a **50% scholarship** based on my merit by **DS Residences, Singapore**.

INTERNSHIPS

COMPACT INFRA (ADITYA BIRLA GROUP) MAY 2024

SOFTWARE DEVELOPMENT

I was assigned and successfully completed my task of building an offline truck and goods management software for Compact Infra, contractor of the prestigious Aditya Birla Group.

The technologies used include Python, Pickle Database, File

Management via Pickle and Bill/Challan generation by Python.

UNITED NATIONS (UNGSII)

JUNE 2024

SUSTAINABILITY AND SDG

I was assigned and successfully completed my task of learning and understanding about different **Sustainable Development Goals**. I also conducted a **global survey** to get to know how different **citizens infer the Sustainable Development Goals**.

PUBLIC IMPACT INITIATIVES

TALKMED RELAY FOR LIFE

MARCH 2025

PARTICIPANT

Participated in **Singapore Cancer Society-TalkMed Relay For Life**, an overnight event to raise awareness about cancer patients.

NET IMPACT DELHI UNIVERSITY

APRIL 2025

RESEARCH AND CONTENT CREATION

Selected as one of the **youngest and high-school members** among a cohort of **college students** to be a part of the **research and content** department of **Net Impact's Delhi University chapter**.

Net Impact is an **international nonprofit organization** for college students and professionals interested in using **business skills** in support of various **social and environmental causes**.

SOFT SKILLS

SAXOPHONE

- Only Saxophone player in LVISN.
- Selected for **solo** and **lead** in school's band.

SPORTS

- Bronze Medal in Golf tournament.
- Certificate of Excellence in Soccer by Soccer Foundation, India.