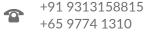
NEIL ARORA





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SKILLS

Web Development

- HTML / CSS
- Firebase Hosting
- Cloudflare

Low Level Programming and Embedded

Technologies

- Holy C / C
- Objective C

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
- Server Management

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.
- 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 a **merit based scholarship** to attend **ISS International School, Singapore**.

DS RESIDENCES

JAN 2025

MERIT SCHOLARSHIP

I was awarded a **merit based scholarship** by my hostel - **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**.

PUBLICATIONS

INDUSTRY REPORT - EV

APRIL - JUNE 2025

RESEARCHER AND AUTHOR

Researched and wrote an industry report highlighting information regarding the electric vehicle industry.

The report was published in collaboration with **Net Impact - Delhi University** and can be accessed via their **LinkedIn page** <u>here</u> or **website** <u>here</u>.

ARTICLE ON SOFT DIMPLOMACY

JUNE 2025

RESEARCHER AND AUTHOR

Researched and **wrote** an article for **Net Impact - Delhi University** about **yoga** as a tool of **soft diplomacy** for **India**.

This article was written in light of **global yoga day** and can be accesses via **LinkedIn** <u>here</u> or **website** <u>here</u>.

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.