

# Himanshu Arora

LinkedIn: Himanshu Arora

GitHub: Himanshu Arora

Email: [arorahimanshu2022@gmail.com](mailto:arorahimanshu2022@gmail.com)

Mobile: +91-8708863361

## EDUCATION

### Panipat Institute of Engineering & Technology

Bachelor of Technology - Computer Science and Engineering  
Affiliated to Kurukshetra University, Kurukshetra

GPA: **7.9/10**

Haryana, India  
2021 – 2025

*Courses: Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Databases*

### South Point Public School

Class XII; Percentage: 80.2  
Affiliated to CBSE

Haryana, India  
April 2020 - March 2021

### South Point Public School

Class X; Percentage: 84  
Affiliated to CBSE

Haryana, India  
April 2018 - March 2019

## SKILLS SUMMARY

**Languages:** C++(Major), Python(Intermediate level), HTML, CSS, JavaScript, SQL  
**Tools:** GIT, MySQL, Collab, Canva, VS Code, Oracle XE  
**OS:** Windows, Linux  
**Soft Skills:** Leadership, Event Management, Public Speaking, Time Management  
**Libraries:** NumPy, Pandas, Matplotlib, Requests, BS4  
**Frameworks:** Flask

## RELEVANT EXPERIENCE

### AICTE Idea Lab Training:

Attended 40 hours Skilling Program organized by AICTE IDEA LAB, PIET  
Skills: Design Thinking, Internet Of Things and Embedded Systems, Arduino

Haryana, India  
April 2023

### Kavach Cyber Security Hackathon 2023:

Finalist In Cyber Security Internal Hackathon Organized By PIET.  
Skills: Web Scrapping, Database Management  
Project: Women Safety Android Application

Haryana, India  
April 2023

### Smart India Hackathon 2023:

Finalist In SIH Internal Hackathon Organized By PIET.  
Skills: Data Analysis, Database Management, Frontend  
Project: WhatsApp Chat Bot For Lodging Complaints Related To All Government Departments Via Single Channel,  
Dedicated Web Based Portal For Government Official To Review Complaints.

Haryana, India  
September 2023

## PROJECTS

### E-Commerce Price Drop Alert:

Skills: Web Scrapping, Automating Emails, Flask, Sqlite3  
Project: Flipkart Price Drop Alert is a web application that sends automated email notifications to users when prices of their desired products drop. Users can track products and receive alerts, helping them make informed purchasing decisions. The website aims to provide a convenient and personalized shopping experience for Flipkart customers

### Student Management Project in OOPs:

Skills: Object Oriented Programming  
Project: This project demonstrates the application of OOPs principles to manage student data effectively, making it easier to maintain and extend the system as needed.

### Lok Sabha Election 2024 In-Depth Analysis:

Skills: HTML, CSS, JavaScript, SQL, Web Scrapping, Data Analysis, Flask, Full-Stack Development  
Project: Conduct an in-depth analysis of the Lok Sabha Election 2024 results, focusing on seat-wise and booth-wise performance of each candidate. Examine the voting patterns, victory margins, and voter turnout to gain insights into the electoral outcomes. Visualize the data to identify trends, patterns, and correlations, and present a detailed breakdown of the results to understand the strengths and weaknesses of each candidate and political party.

### Portfolio Website:

Skills: HTML, CSS, JS  
Project: Portfolio Website

## RESEARCH

### Preventing Login Using Brute Force Attack:

Skills: Cyber Security, Stress Testing  
Project: A brute force password attack is essentially a **guessing game** where the hacker tries different password combinations using hacking software until they're able to crack the code. These hackers hope that their victims either reused a password that's already compromised or used a generic phrase, such as "12345."  
Progress: (Under Progress)

*Developing an algorithm that will prevent unauthorized logins using brute force attacks. This algorithm will be unique and the advantage of using it is that the user will not suffer the access time limit wait due to unwanted attacks on login system.*

## ACHIEVEMENTS AND CERTIFICATIONS

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- IIT Kharagpur Certified Software Tester (NPTEL)
- IIT Certified in Computer Graphics (NPTEL) (**Course Topper**)
- IIT Bombay Certified C Programmer (Spoken Tutorial)
- IIT Bombay Certified Python Programmer (Spoken Tutorial)
- IIT Bombay Certified Java Programmer (Spoken Tutorial)
- Oracle Certified SQL Developer
- Participated in Flipkart Grid 4.0, 6.0
- Meta Introduction to Databases (Coursera) Certificate
- Design Thinking Course Certification (Amity University Online)
- AI For All Certificate (Intel)

## INTERNSHIP

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### **Defense Research And Development Organization (DRDO) , Ministry of Defense, Government Of India**

*Skills: Cyber Security*

*Project: Investigate the vulnerability of drone navigation systems to various forms of signal interference, including jamming, spoofing, and interception. Analyze the effects of these attacks on GPS and other navigation signals, and assess the potential risks to drone safety and security*

*Mode: Offline*

*Duration: 2 Months (July 15, 2024 -September 15,2024)*

### **CodSoft**

*Skills: Data Science*

*Project: Predict the survival likelihood of passengers on the Titanic using machine learning algorithms and historical data. Analyze factors such as age, gender, class, and embarkation point to identify key predictors of survival*

*Mode: Online*

*Duration: 1 Month (July 2023)*

## Soft Skill Certification (TCS ION)

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- TCS ION Career Edge - Young Professional
- Introduction to Soft Skills
- Email Etiquette
- Effective Communication
- Telephone Etiquette
- Presentation Skills

## VOLUNTEER EXPERIENCE

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### **PIET Comp Techies Club**

*Organized events, Co-ordinated technical events.*

Haryana, India

*January 2023- December 2023*

## CO-CURRICULAR ACTIVITIES

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- Class Representative Of CSE4A
- Certificate in Energy Literacy Training (Energy Swaraj Foundation)
- Intern at Safe India Foundation During Summer 2023 (Volunteer As Content Creator)
- Member of Generation Nothing (Smartphone Company) Official Community