Himanshu Arora

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EDUCATION

Panipat Institute of Engineering & Technology Haryana, India
Bachelor of Technology - Computer Science and Engineering   *GPA:* **7.9/10**   *2021 – 2025*
Affiliated to Kurukshetra University, Kurukshetra

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

South Point Public School Haryana, India
Class XII; Percentage: 80.2   *April 2020 - March 2021*
Affiliated to CBSE

South Point Public School Haryana, India
Class X; Percentage: 84   *April 2018 - March 2019*
Affiliated to CBSE

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: Haryana, India
  Attended 40 hours Skilling Program organized by AICTE IDEA LAB, PIET   *April 2023*
  Skills: Design Thinking, Internet Of Things and Embedded Systems, Arduino

Kavach Cyber Security Hackathon 2023: Haryana, India
  Finalist In Cyber Security Internal Hackathon Organized By PIET.   *April 2023*
  Skills: Web Scrapping, Database Management
  Project: Women Safety Android Application

Smart India Hackathon 2023: Haryana, India
  Finalist In SIH Internal Hackathon Organized By PIET.   *September 2023*
  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.

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

Mitigating Brute-Force Attacks: A Comparative Study of Prevention Techniques and Proposal of a Novel Algorithm
  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

- 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

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)

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

VOLUNTEER EXPERIENCE

PIET Comp Techies Club   Haryana, India
Organized events, Co-ordinated technical events.   *January 2023- December 2023*

CO-CURRICULAR ACTIVITIES

- 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

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