



# Shivansh Vishwakarma

Roll No.: 2203561

B.Tech.

Computer Science and Engineering

Guru Nanak Dev Engineering College,  
Ludhiana

+91-9621903118

vishivansh7@gmail.com

shivansh2215170@gndec.ac.in

Github | Website

linkedin.com/in/shivansh-vishwakarma-a219a02a8

## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (CSE)	Guru Nanak Dev Engineering College, Ludhiana	7.17 (Current)	2022-Present
Senior Secondary	CBSE Board	94.0%	2021
Secondary	Jawahar Navodaya Vidyalaya (CBSE Board)	87.8%	2019

## INTERNSHIPS

- Indian Institute of Information Technology** *June 2024 - Aug. 2024*  
*Research Intern* *Prayagraj*
  - Worked on Collision Avoidance in Swarm Robotics using Deep Reinforcement Learning, optimizing path-planning algorithms to improve efficiency.
  - Implemented efficient algorithms for real-time swarm coordination and navigation, collaborated on designing and simulating swarm behavior for real-world applications.

## PROJECTS

- EduAI** *Feb. 2025*  
*EduAI gives AI-driven guidance with a text editor, helping students learn programming without showing full code.*
  - **Tools & technologies used:** HTML, CSS, JavaScript, LLMs, Flask.
- EdTech Buddy** *Mar. 2024*  
*EdTech Buddy offers personalized career guidance post-12th using CBSE's 'Compendium of courses after 10+2.*
  - **Tools & technologies used:** HTML, CSS, JavaScript and BotPress
- Hope Harbor** *Jan. 2024*  
*Submitted as a solution in Google Solution Challenge 2024 to provide info of nearest food/shelter to needy people.*
  - **Tools & technologies used:** HTML, CSS, JS.
  - Collected real time data by floating a Google form to help people to search nearby free/affordable Food, Shelter in tough conditions and unknown places.

## KEY COURSES TAKEN

- Data Structure, Algorithms, DBMS, Machine Learning, Artificial Intelligence, Operating System, Computer Networks

## TECHNICAL SKILLS

- Programming:** C/C++, Python, JavaScript, SQL
- Tools & OS:** Git, Jupyter Notebook, Google Colab, Linux, Windows
- Libraries/Frameworks:** Pandas, Numpy, scikit-learn, TensorFlow, Gym
- Web Skills:** HTML/CSS/JS.

## POSITIONS OF RESPONSIBILITY

- Executive Member,** Training & Placement Cell, GNDEC, Ludhiana *Present*
- Core Team Member,** Data Science Club, GNDEC, Ludhiana *Aug. 2024 - Present*

## ACHIEVEMENTS

- Selected as RF Scholar,** Reliance Fondation, Received Scholarship for UG program. *2023*
- Participated in** Google Solution Challenge 2024 *2024*
- 3rd Position Holder** Git and Linux Workshop and Quiz organized by Causmic Club GNDEC, Ludhiana *2024*

## CERTIFICATIONS

- NPTEL Certification on Social Networks.
- NPTEL Certification on Privacy and Security in Online Social Media.
- NPTEL Certification on Ethical Hacking.
- NPTEL Certification on Organizational Behaviour.
- Python Foundation Certification by Infosys Springboard.
- Interactive Skills Certification by Infosys Springboard.