# Shivansh Vishwakarma

Roll No.: 2203561
B.Tech.
Computer Science and Engineering
Guru Nanak Dev Engineering College,
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## 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*
- **Shortlisted for IDE Bootcamp Edition 2 Phase 2,** organised by AICTE, MoE and MIC. *2025*

## 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.