Shweta Tyagi

2ND YEAR UNDERGRADUATE AT INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN

☐ (+91) 7011184454 | ✉ shweta189btcse22@igdtuw.ac.in | ⚙ ShwetaTyagi1 | 🔗 shwetatyagi22/

Technical Skills and Interests

Languages	C, C++, Python
Front-end	HTML5, CSS, JavaScript
Tools	GitHub, MySQL(RDBMS), Oracle, Google Collab, Figma, Canva, Unity
Areas Of Interests	Data Structures and Algorithms, Web Development, Competitive Programming

Work Experience

Technical Content Writer — *Remote*
FREELANCE — *Nov 2023 - Present*

- Produced high-quality technical content for various clients.
- Demonstrated expertise in translating complex technical concepts into clear and engaging articles, blog posts, and documentation.
- Managed multiple projects simultaneously, adhering to deadlines and client specifications.

Projects

Personal Portfolio Website | HTML, CSS, JS | Project Link — *Self*

- A responsive website with a clean and modern design.
- Proficient in leveraging HTML for enhancing the structure and content. Applied HTML5 semantic elements to ensure a well-organized and clear layout.
- Implemented interactive elements using JavaScript to engage visitors. Utilized CSS for styling.

Snake Game | C++ | Project Link — *Self*

- This is a classic Snake Game implemented in C++. The game allows you to control a snake that moves around the screen.
- Handled user input for directing the snake (up, down, left, right).
- Implemented a scoring mechanism based on the number of fruits consumed.
- Managed collisions, ensuring the game ends if the snake collides with itself or the screen boundaries.
- Utilized console graphics for a simple and effective display.

Accident Prediction through Image Recognition : A Comparative Analysis of CNN, KNN, and Random Forest Trees | ML, Google Collab | Project Link — *Under AI CLUB IGDTUW*

- A comparative analysis of accident prediction models using image recognition techniques as well as a corresponding research paper.
- The data set used contains images related to accident scenarios, and the models are trained to classify these images into accident and non-accident categories.
- Evaluated performance of CNN, KNN, and Random Forest Trees, based on accuracy, precision, recall, and F1 score.

Achievements

2023	**2nd Prize**, amongst 42 teams at The Social Impact Ideathon, IIITD	*New Delhi, India*
2023	**Selected in Top 35**, amongst 120+ teams in SIH (internal round) IGDTUW	*New Delhi, India*

Extracurricular Activity

- Campus Director, Millennium Fellowship 2023, United Nation Academic Impact : Selected amongst 4000 others globally from 44,000 applicants.
- Outreach Associate, Minerva IGDTUW : Hosted hands-on sessions about latest technological advancements.
- Editorial Team Coordinator, Taarangana IGDTUW : Creative story-lines and scripts, Research and Brainstorming.
- Student Mentor, Desh ke Mentor: Mentored 4 high school students. Academic guidance & Career counselling.
- Model, ZENA: Fashion Society of IGDTUW. Won 10+ competitions.

Education

Indira Gandhi Delhi Technical University For Women (IGDTUW), Delhi — *2022–Present*
B.TECH. - COMPUTER SCIENCE AND ENGINEERING — *Current CGPA : 8.525*

Daffodil Public School, Delhi — *2020–2022*
CLASS XII — *Current CGPA : 89.2*

Presentation Convent Sr. Sec. School, Delhi — *2019–2020*
CLASS X — *Current CGPA : 96*