

Shweta Tyagi

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

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Technical Skills and Interests

Languages	C, C++
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

FREELANCE

Remote

Nov 2023 - Present

- Spearheaded the creation of high-quality technical content for multiple clients.
- Translated complex technical concepts into clear and engaging articles, blog posts, and documentation.
- Orchestrated and successfully completed concurrent projects, adhering to strict deadlines and client specifications; delivered 100% on-time project completion across 5 initiatives, ensuring client satisfaction.

Projects

Personal Portfolio Website | HTML, CSS, JS | Project Link

Self

- Revitalized online presence by developing a responsive website with a sleek and modern design, elevating user experience and engagement.
- Proficient in leveraging HTML for enhancing the structure and content. Applied HTML5 semantic elements for a well-organized and clear layout.
- Elevated user interactivity by implementing dynamic elements through JavaScript and refined aesthetics with CSS styling.

Snake Game | C++ | Project Link

Self

- Developed a classic Snake Game in C++.
- Implemented user-controlled snake movement & a scoring system linked to fruit consumption.
- Features a robust collision management, ensuring a seamless and engaging gaming experience with console graphics.

Accident Prediction through Image Recognition : A Comparative Analysis of CNN, KNN, and Random Forest Trees | ML, Google Collab | Project Link

Under AI CLUB IGDTUW

- Conducted a comprehensive comparative analysis of accident prediction models.
- Employed image recognition techniques, leveraging a dataset comprising of 950+ images depicting accident and non-accident scenarios. Prepared a research paper detailing the methodologies, performance metrics, and insights derived from training models to classify images into distinct accident and non-accident categories.
- Evaluated performance of CNN, KNN, and Random Forest Trees, based on accuracy, precision, recall, and F1 score.

Achievements

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| 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 Nations Academic Impact: Distinctively chosen from a pool of 44,000 applicants to lead a high-performing team of 15 in driving impactful initiatives
- Outreach Associate, Minerva IGDTUW: Orchestrated 20+ sessions spotlighting cutting-edge technological advancements.
- Editorial Team Coordinator, Taarangana IGDTUW : Crafted story-lines and scripts in a team of 6.
- Student Mentor, Desh ke Mentor: Mentored 4 high school students. Academic guidance & career counselling.
- Model, ZENA: Fashion Society of IGDTUW. Acclaimed winner in 10+ prestigious competitions, showcasing versatility and excellence in the fashion domain.

Education

Indira Gandhi Delhi Technical University For Women (IGDTUW), Delhi

B.TECH. - COMPUTER SCIENCE AND ENGINEERING

2022–Present

Current CGPA : 8.67

Daffodil Public School, Delhi

CLASS XII

2020–2022

Presentation Convent Sr. Sec. School, Delhi

CLASS X

2019–2020