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   *Remote*
FREELANCE   *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

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   *2022–Present*
B.TECH. - COMPUTER SCIENCE AND ENGINEERING   *Current CGPA : 8.67*

Daffodil Public School, Delhi   *2020–2022*
CLASS XII

Presentation Convent Sr. Sec. School, Delhi   *2019–2020*
CLASS X