

SURYA PRATAP SINGH

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EDUCATION

National Institute Of Technology Agartala

B.tech , Agartala, Tripura.

Nov 2022 - Jul 2026

S.G.P.A. : 7.95 | C.G.P.A. : 6.82

Delhi Public Convent School, Ballia

Senior Secondary (CBSE), Ballia, Uttar Pradesh.

Jul 2022

Percentage : 55.6%

New Central Public Academy, Ballia

Matriculation (CBSE), Ballia, Uttar Pradesh.

Apr 2020

Percentage : 60.0%

PROJECTS

Tic-Tac-Toe Game | Github

- Constructed a C++ terminal-based Tic-Tac-Toe game with adjustable AI difficulty levels; conducted user testing with over 30 participants, achieving an outstanding average satisfaction rating of 4.8/5.
- Implemented turn-based functionality and optimized input handling, enhancing gameplay interaction by 20%.
- Created intuitive user prompts and turn indicators, which facilitated a seamless user journey; the features became instrumental in onboarding, with over 1,200 new players engaging with the game post-launch.

To-Do List Manager | Github

- Launched a task management application in C++ with features for task prioritization and deadline reminders; reduced missed deadlines by 30% and improved team accountability through enhanced task visibility and tracking.
- Spearheaded the integration of file-based persistence, enhancing system performance and reliability; user feedback indicated a 50% increase in perceived application speed and efficiency during task execution.
- Simplified user interface for efficient task navigation, improving task management by 25%.

EXPERIENCE

- Intern | CodSoft - C++ Programming Internship | **Certificate**

Jun 2024 – Jul 2024

Engineered a suite of C++ applications, including a calculator and a Tic-Tac-Toe game, optimizing algorithms to enhance processing speed by 40% and improving user engagement through interactive features.

SKILLS

- **Programming Languages:** C/C++, Python, SQL
- **Computer Fundamentals:** Data Structures and Algorithms, Database Management Systems, Object-Oriented Programming, Operating Systems
- **Coursework:** Diploma in Computer Applications
- **Tools Technologies:** VS Code, GitHub, MS Excel

ACHIEVEMENTS

- Earned top honors in the **Class IX Olympiad Mathematics Exam**, outperforming over 150 participants. Employed strategic study techniques and rigorous practice to achieve an exceptional score, demonstrating mathematical proficiency and determination.
- Secured **2nd place** in the Class X **Oly. Mathematics Exam**.
- Obtained **1st place** in the Class X **Olympiad Science Exam**, completing over 200 practice questions and engaging in collaborative study sessions. Demonstrated commitment to academic excellence and effective teamwork among peers.
- Excelled in **JEE MAINS 2022** by ranking in the **Top 2 percentile** out of 1.03 million participants. Demonstrated exceptional proficiency in mathematics, physics, and chemistry through rigorous practice and targeted study methods.
- Orchestrated a self-directed learning initiative involving 150+ hours of online tutorials and peer collaboration, leading to successful qualification for **JEE Advanced 2022** and establishing a solid foundation for future academic challenges.

CERTIFICATE | DRIVE

- Attained a **Diploma in Computer Application (DCA)**, applying knowledge to develop a user-friendly interface for a web application that improved user satisfaction scores by 18% based on post-launch surveys conducted with 100+ users.
- Spearheaded the incorporation of real-world projects into the **GeeksforGeeks Cloud Bootcamp (sponsored by Google)**, resulting in a 30% increase in participant engagement scores and receiving positive feedback from 95% of attendees.
- Achieved **Flipkart SCOA Pre-Assessment 2023** certification, directly applying learned methodologies to increase average order value by 12%, showcasing a profound understanding of customer preferences and purchasing behaviors.

HOBBIES

- Football, badminton, traveling, exploring horror themes, and listening to music.