

## Rashmi

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### ACADEMIC DETAILS

Year	Degree/Exam	Institute
Jul, 2022 - Jul, 2026	B.TECH in Computer Science	Graphic Era Hill University
2019	C.B.S.E	S.M. Public School
2021	C.B.S.E	S.M. Public School

### About Me

- I am a B.Tech student in Computer Science and Engineering with a strong interest in programming, problem-solving, and emerging technologies. I enjoy working on projects that combine creativity with technical skills, and I am eager to learn more about software development, data science, and artificial intelligence. My goal is to build innovative solutions that make a positive impact.

### PROJECTS

- **Mini C Compiler** (March, 2025 - June, 2025) : Developed a Mini C Compiler for educational use, particularly for those new to compiler design and development. Developed using the C language on a Linux platform, utilizing Flex for lexical analysis and Bison for syntax parsing.
- **CPU Scheduling Simulator** (March, 2025 - June, 2025) :Built a Java-based simulator to visualize and compare scheduling algorithms like FCFS, SJF, SRTF, Round Robin, and Priority. Implemented process queue management, Gantt chart visualization, and performance metrics calculation. Designed with a user-friendly GUI for interactive learning and testing.
- **Long Jump Analysis - Linear Regression VS Random Forest** (September, 2024 - November, 2024) : Analyzed athlete long jump data using Python with preprocessing, imputation, and feature scaling. Built and evaluated Linear Regression and Random Forest models to predict jump distance, with Linear Regression showing slightly better performance. Assessed results using  $R^2$ , MAE, and F1-score.
- **Rabot - Tourist Guide** (March, 2024 - May, 2024) : Developed a location-based tourist guide website that suggests nearby attractions, hotels, and restaurants. Integrated maps, filters, and user preferences to enhance the travel experience. Focused on intuitive UI, real-time data, and personalized recommendations.

### TECHNICAL SKILLS

- HTML, CSS And JavaScript.
- C++, Java and Python.
- MS Excel (data tracking and SEO reports)

### Soft Skills

- Attention to detail
- Willingness to learn
- Time management

### Achievements

- **Volunteer - Cybernation And Computation (2024)** :Assisted in organizing the International Conference on Cybernation and Computation 2024. Helped with event coordination, speaker support, and delegate management, gaining valuable experience in teamwork and communication.
- **Core Team Member - Automation and Computation (2025)** : Volunteered as part of the core team at the 3rd International Conference on Automation Computation, organized by Graphic Era Hill University in collaboration with IEEE UP Section. Supported logistics, coordination, and session management throughout the event.