RITIKA SINGH

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EDUCATION

Maharashtra, India, Army Institute of Technology   2022-2026
S.E in Electronics and Telecommunications SGPA: 7.8

Uttarpradesh, India, Army Public School
High School (XII) 92.8%

Uttarpradesh, India, Army Public School
Class X 96.2%

SKILLS

Technical Skills :
Data Structures and Algorithms, Object Oriented Programming, C++ STL,
Python, HTML, CSS, JavaScript.

EXPERIENCE

Joint Secretary at Competitive Programming Club   August 2023 - May 2024

- Managed various Technical Events and contests and organized weekly coding classes for 1st and 2nd year students.

SE Member at Magboard   August 2023 - May 2024

- Organised Various Culture events including various quizzes and contributed in making of college magazine.

PROJECTS

- **Maze Generator** (05/2023)
  The Maze Generator project is a web-based application that dynamically creates and visualizes mazes using HTML, CSS, and JavaScript. The core algorithm employed for maze generation is the Depth-First Search (DFS) algorithm, a popular and efficient technique for maze creation.

- **Cover to Cover** (07/2023)
  Cover to Cover is an engaging and user-friendly online bookstore designed to provide an exceptional shopping experience for book lovers. Built using HTML, CSS, and JavaScript, this interactive website offers a range of features to help users discover, explore, and purchase books easily.

- **Alcohol Detection in vehicles** (05/2023)
  The Maze Generator project is a web-based application that dynamically creates and visualizes mazes using HTML, CSS, and JavaScript. The core algorithm employed for maze generation is the Depth-First Search (DFS) algorithm, a popular and efficient technique for maze creation.

ACHIEVEMENTS

- Max rating of **1162** at codeforces under handle Elektra26
- **A global rank of 176** in first round of ICPC AlgoQueen 2024 organised by Amrita Vishwa Vidyapeetham
- Selected for **Deutsche Bank Engineering Scholarship** with **200 scholars** across India
- **Ranked 2nd** among 25 girls, in an inter college event She Code organised by Army Institute of Technology
- **Top She Coder** in crack 4.2 organised by competitive coding cell of AIT
- Team secured **3rd position** in state-level table tennis competition