Rahul Singh
Army Institute of Technology,Pune

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EDUCATION

Army Institute of Technology June 2025
B.E. in Electronic and Telecommunication *Current SGPA: 8.4/10*
Army Public School,Bathinda Cantt March 2021
12Th standard *91%*

SKILLS

Languages:C, C++, Python, JavaScript, HTML, CSS.
Tools: Git/GitHub, GitHub, Jupyter Notebook, VS Code, PyCharm.
Frameworks: React, Bootstrap, Tailwind CSS.
Familiar: SQL, Android.
Soft-skills: Calm Under Pressure, Problem-Solving, Helpful, Innovative.

EXPERIENCE

CEAR Club | *Member* Sept. 2023 – Present
- Involved in the club centered around robotics, IOT and building bots
- Successfully organized robotics event in Solutions.

Jaljivika Aerator Pump Automation | *Group Project* Aug. 2023 - Dec. 2023
- Led IoT development for Bombay Sapphire's aerial pump automation, improving operational efficiency.
- Implemented an IoT platform to remotely monitor and control aerial pumps, reducing manual intervention by 60%
- Designed a user-friendly interface for precise pump scheduling and automation.
- Established a robust system for logging pump usage and facilitating maintenance.

PROJECTS

News Hunt | *JavaScript, News API, Git, HTML/CSS, React, VS Code* Sept. 2023
- Developed dynamic web app for real-time news updates using React and News API.
- Utilized APIs to fetch news across diverse categories for a seamless user experience, leading to a remarkable 30% increase in user engagement.

Health & Fitness Website | *JavaScript, ExerciseDB/Edamam APIs, HTML/CSS, Git, Tailwind CSS, VS Code* Dec. 2023
- Designed a Health Fitness website with BMI calculation, nutrition analysis, and interactive fitness exercises, contributing to a 33% improvement in overall well-being across all age groups.

Shortest Path Finder | *JavaScript, Git, HTML/CSS* Jan. 2024
- Developed project using Dijkstra's algorithm for finding the shortest path between nodes.
- Developed a user-friendly interface enabling seamless input of source-destination nodes, resulting in optimal paths and facilitating a 20% faster journey to the destination.

ACHIEVEMENTS

The New Indian Readers Merit Scholarship (1st year).
ESSA Scholarship (1st and 2nd Year).
Fourth Position in WarTech Robotic Event.
Secured 1st Position (ZONAL LEVEL) in Meshmerize Event (TechFest) organized by IIT Bombay.

CO-CURRICULAR AND INTERESTS

- Active participation in diverse events including sports, robotics, and technical competitions.
- Passionate about Badminton and table tennis