RAJ SINGH

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Objective

I am a motivated student pursuing a degree in Computer Applications, with a strong foundation in programming and problem-solving. I am actively seeking a software development internship to apply my theoretical knowledge in a practical environment. I am eager to contribute to the creation of innovative software solutions and to collaborate with experienced developers. This opportunity will allow me to enhance my technical skills while gaining valuable hands-on experience in the software development lifecycle.

EDUCATION

- **Bachelor of Computer Applications (BCA)**   **2022 – 2025**
  Aravali College of Engineering and Management (Affiliated with YMCA)
- **Senior Secondary (XII), CBSE**   **2022**
  Scholars Pride, Faridabad
- **Secondary (X), CBSE**   **2020**
  Scholars Pride, Faridabad

INTERNSHIP EXPERIENCE AND CERTIFICATIONS

C Language Certification
C++ Certification
Python Certification
Advanced Python Certification
NPTEL Certification in Air Pollution.

SKILLS

Technical

- ***Programming Languages:*** *C, C++, Python*
- ***Web Development:*** *HTML, CSS, JavaScript*
- ***Databases:*** *MySQL, DBMS*
- ***Tools & Platforms:*** *Microsoft 365, VS Code,Visual Studio*

Professional

- *Effective logic building skills*
- *Confident, articulate, and professional speaking abilities*
- *Ability to identify and solve problems.*
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PROJECTS

Scientific Calculator (Python, Tkinter)

- Developed a GUI-based scientific calculator using Tkinter.
- Implemented advanced mathematical functions (trigonometry, logarithms, factorials).
- Integrated error handling to prevent invalid inputs and improve user experience.

Mini Games – Stone Paper Scissors & Tic-Tac-Toe (Python)

- Designed Stone Paper Scissors with a command-line interface using Python.
- Implemented game logic using conditional statements and the random module.
- Developed a Tic-Tac-Toe game with a GUI (Tkinter), supporting:
  - Two-player mode
  - Simple AI opponent for single-player gameplay

Code Learning Game (HTML, CSS, JavaScript)

- Designed a language-based quiz game supporting Python, Java, JavaScript, and HTML/CSS.
- Implemented score tracking, timer, sound effects, and interactive UI.
- Developed a language selector and intuitive game flow with code-based logic questions.

Weather Forecasting Web App (JavaScript, HTML, CSS)

- Created a weather app using OpenWeatherMap API.

- Designed a clean, animated UI with real-time data like temperature, wind, humidity.

- Added a welcome screen, search interface, and dynamic icon updates.

Text-to-Audio Converter (JavaScript)

- Developed a web-based tool that converts typed text into audio using Web Speech API.

- Integrated voice selection, pitch, and rate control features.

- Enabled multi-language support and interactive text-to-speech functionality.

EXTRA/CO-CURRICULAR ACTIVITIES
- Problem-Soving
- Team Collaboration
- Time Management
- Adaptability