

# RIDDHIMA AGARWAL

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 Jaipur, Rajasthan

## EDUCATION

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**SRM Institute of Science and Technology**, Ghaziabad  
B.Tech in Computer Science and Engineering

Aug 2024 - Present

**Shiv Jyoti International School**, Kota  
CBSE, 12<sup>th</sup> Grade

2023 - 2024

**Arihant Public School**, Kota  
CBSE, 10<sup>th</sup> Grade

2021 - 2022

## PROJECTS

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### J.A.R.V.I.S

Personal AI assistant enabling speech and text interaction for context-aware tasks, voice feedback, and automation. Users engage via voice or manual input for instant search and information retrieval. Modern GUI with dynamic chat bubbles and OpenAI-powered responses.

**Tech:** Python, CustomTkinter, SpeechRecognition, pyttsx3, OpenAI API

### Moodify

Interactive music platform delivering personalized YouTube playlists based on user mood and free-form conversation. Users express themselves via text or voice for instant, context-aware recommendations. Fully responsive and deployed online via Render.

**Tech:** HTML, CSS, JavaScript, Node.js (Express), YouTube Data API, Render (deployment)

### Smart Gift Recommendation Website

Aesthetic gift recommendation website with responsive UI, suggesting gifts based on age, gender, occasion, relationship, interests, and budget. Features animated envelope-style popups and an interactive mascot with speech bubbles for an engaging UX.

**Tech:** HTML, CSS, JavaScript

## TECHNICAL STRENGTHS

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**Programming Languages:** Python, Java, C, C++, JavaScript

**Web Technologies:** HTML, CSS, JavaScript, DOM Manipulation, JSON

**Libraries & Frameworks:** NumPy, Pandas, scikit-learn, Matplotlib, Flask, CustomTkinter, Node.js

**Tools & Platforms:** Git, GitHub, VS Code, Render, LaTeX, MS Office, Canva

**Technologies:** Machine Learning, Predictive Modeling, Data Preprocessing, Model Evaluation, API Integration (REST, OpenAI API, YouTube API), Data Structures & Algorithms (DSA), Object-Oriented Programming (OOPs), Operating Systems (OS), Computer Organization & Architecture (COA), Prompt Engineering

## ACHIEVEMENTS & CERTIFICATIONS

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**International Rank 4** in International Reasoning and Aptitude Olympiad

**Secured Rank 36** and earned a **Certificate of Excellence** in the CodeClash – The October Conclave by **Let's Code Community**

Participated in CodeSlayer Hackathon by **NIT Delhi** - strong problem-solving & teamwork.

Participated in BotVerse organized by **CSI, SRM Institute of Science and Technology**

Certified in Data Analytics Job Simulation by **Deloitte Australia**

Certified in API Fundamentals by **Postman**

Certified in Java by **HackerRank**