

# AYUSH KUMAR

## COMPUTER SCIENCE STUDENT

### CONTACT

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### EDUCATION

2022 - 2026

#### HMR INSTITUTE OF TECHNOLOGY & MANAGEMENT

- Bachelor in Technology - Computer Science Engineering
- CGPA - 6.9/10

Relevant Coursework: Data Structures, Algorithms, DBMS, Operating Systems, Computer Networks, Software Engineering

### SOFT SKILLS

- Project Management
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

### TECHNICAL SKILLS

- Programming Languages: Python, C++, Java, C, JavaScript
- Web Technologies: HTML5, CSS3, React.js, REST APIs
- Databases: MySQL, SQLite
- Tools & Frameworks: Git, GitHub, Flask, Tkinter
- Core Concepts: Data Structures, Algorithms, OOP, SDLC

### PROFILE

"Computer Science student with hands-on experience in AI/ML, web development, and software engineering. Proficient in Python, Java, C++ with expertise in data structures, algorithms, and full-stack development. Seeking software engineering internship to apply technical skills in real-world applications."

### PROJECTS

- Ellyse - Your Virtual Ace** 2024 - PRESENT  
AI-Based Voice Assistant | Python
  - Designed and developed a modular voice assistant with 15+ features including voice commands, weather API integration, WhatsApp automation, file system navigation, and real-time speech recognition with 90%+ accuracy .
  - Integrated a responsive GUI and animated mic using Tkinter and turtle graphics.
  - Implemented dynamic greeting system, mood detection logic, and contextual interaction handling.
- Niva: Sentiment Analyzer** 2025 - 2025  
NLP-based Chatbot | Python, TextBlob, NLTK
  - Built a sentiment analysis-based chatbot that responds based on user emotions (positive/negative/neutral).
  - Applied Natural Language Processing techniques to understand mood from text input and reply intelligently.
  - Used logic branching and emotion-tagging to simulate empathetic conversation.
  - Integrated as a backend logic for voice-based applications

### ACHIEVEMENTS & CERTIFICATIONS

- Published research paper in IJRASET on AI-based voice assistant (2024)
- Top 8 finalist out of 45+ teams in HackTheCrisis 3.0 offline hackathon
- Completed "Python Programming" - Udemy, GeeksforGeek
- Completed "Full stack Web Developemnt" - Udemy