

Kanika Aggarwal

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EDUCATION

- Bachelor of Technology in Computer Science | ABES Engineering College | **CGPA: 7.6/10.0**
- Senior Secondary (Class 12) | 86% | CH. CHHABILDASS PUBLIC SCHOOL, GHAZIABAD (CBSE) | March 2022
- Secondary (Class 10) | 83% | CH. CHHABILDASS PUBLIC SCHOOL, GHAZIABAD (CBSE) | March 2020

SKILLS

- Languages:** Python, SQL, Java, JavaScript
- Tools And Platforms:** Git, GitHub, VS Code, IntelliJ IDEA
- Frameworks And Libraries:** Node.js, Tailwind CSS, Express.js, Bootstrap
- Data Structures And Algorithms:** Strong understanding of DSA, problem-solving skill.
- Courses:** Python, C, Database Management System, Cyber Security, Data Communication

PROJECTS

1. Full-Stack Airbnb Clone (2025) :

Tech Stack: Node.js, Express.js, MongoDB, EJS, Bootstrap

- Developed a fully responsive Airbnb-style full-stack application enabling property listings and bookings.
- Developed REST APIs and user auth system, reducing page load and auth errors by 40%
- Integrated MongoDB using Mongoose for schema-based data handling (10+ collections)
- Used EJS templating for dynamic rendering of content based on user actions.
- Implemented user authentication (login/signup) with session handling and form validation.

2. AI-Powered Multi-Functional Chatbot

Technologies Used: Python, OpenAI GPT API, Flask, HTML/CSS, JavaScript, MongoDB, REST APIs, Git, GitHub

- Enhanced user interaction through GPT-based query resolution, achieving 90% response relevance
- Integrated NLU, contextual memory, sentiment analysis, and task automation to boost engagement
- Achieved ~90% response relevance and <1.2 sec average response time through optimized API calls
- Designed a modular and scalable architecture, reducing code redundancy by 30%
- Deployed with Flask backend and MongoDB for storing user interactions and feedback

WORK EXPERIENCE

IGT Solutions Limited | AI Developer

July, 2025 - Sep, 2025

- Developed a multi-functional chatbot using OpenAI GPT API, handling over 1,000+ user interactions during testing
- Integrated NLU, sentiment analysis, and context-aware response generation, improving response accuracy by ~35%
- Built RESTful APIs for task execution and deployed a complete web interface using Flask
- Designed backend using MongoDB, enabling efficient storage and retrieval of 10,000+ session logs
- Reduced repetitive query volume by 60% through intelligent automation, saving ~20 hours/week of manual support
- Achieved 95% uptime and <1s response latency during deployment on a test server
- Delivered a scalable chatbot solution ready for integration into live support systems

TRAINING AND CERTIFICATIONS

- Full Stack Web Development Certification - Apna College - 2025
- Java + DSA Certification - Apna College - 2025

Extra Curricular Activities

- Technical Member of Unstop Igniters- Organized events such as WEB BATTLE (The Clash of Web), showcasing technical challenges and projects related to electronics and embedded systems
- Event Anchor Host Led anchoring duties for college technical and cultural events, managing stage flow, audience engagement and coordination with event teams

ADDITIONAL INFORMATION

- Technical Skills:** Project Management, Structural Analysis, Robotics and Automation, CAD
- Soft Skills:** Problem-solving, Critical thinking, Communication, Team collaboration