

# Archit Agrawal

✉ agrawalarchit121@gmail.com    ☎ 7906221668    in Archit Agrawal    📌 Archit-1233

## Education

<b>KIET Group of Institutions, Delhi-NCR, Ghaziabad</b> (Affiliated to AKTU) B.Tech Computer Science and Engineering (AIML), CGPA: 8.99/10	<i>Nov 2022 – Present</i>
<b>MLDV Public Inter College, Hathras</b> Senior Secondary, Grade: 93.2%	<i>2022 – 2023</i>
<b>St. Francis Inter College, Hathras</b> High School, Grade: 91.8%	<i>2019 – 2020</i>

## Work Experience

<b>Hustle AI Solutions</b> <b>AI Engineer Intern</b>	<i>May 2025 – Present</i>
<ul style="list-style-type: none"><li>◦ Built a QA tool using <b>Streamlit</b>, <b>LangChain</b>, and <b>Gemini 1.5</b> to query documents/images.</li><li>◦ Integrated <b>Mistral OCR API</b> and <b>FAISS</b> for image-to-text parsing and semantic search.</li><li>◦ Used <b>Django</b> with <b>SQLite</b> to store users, files (PDFs), and query metadata in a structured database.</li><li>◦ Enabled PDF upload, database storage, and retrieval for context-aware RAG-based responses.</li><li>◦ Integrated <b>Google GenAI Embeddings</b> for enhanced semantic understanding and real-time answering.</li></ul>	

## Projects

<b>YOLOv8 Vehicle Damage Detection System</b>	<i>(March 2025 – Present)</i>
<ul style="list-style-type: none"><li>◦ Built a real-time damage detection system using <b>YOLOv8</b> to identify scratches, dents, and broken parts from vehicle images.</li><li>◦ Achieved a precision of <b>63%</b> by training a custom YOLOv8 model on a labeled vehicle damage dataset.</li></ul>	
<b>AI Doctor 2.0 – Multimodal Medical Chatbot</b>	<i>(Feb 2025 - March 2025)</i>
<ul style="list-style-type: none"><li>◦ Developed a multimodal AI-powered medical chatbot using <b>GROQ LLM</b> and <b>LLaMA 3 Vision</b>, providing text and image-based medical diagnosis support.</li><li>◦ Integrated <b>OpenAI Whisper</b> for real-time speech-to-text transcription and <b>gTTS/ElevenLabs</b> for natural text-to-speech responses, enhancing voice consultation capabilities.</li><li>◦ Built an interactive and accessible user interface using <b>Gradio</b>, supporting voice, image, and text inputs for realistic, patient-friendly healthcare interaction.</li></ul>	
<b>GreatKart - eCommerce Application</b> <a href="#">(Live Demo)</a> <a href="#">🔗</a>	<i>(Dec 2024 - Feb 2025)</i>
<ul style="list-style-type: none"><li>◦ Developed a scalable e-commerce platform using Django, featuring product management, a shopping cart system, secure payments, and automated inventory updates.</li><li>◦ Integrated an interactive review system with <b>half-star ratings</b>, order confirmation emails, and personalized user account management.</li><li>◦ Implemented <b>PayPal integration</b> to enable secure and efficient transactions.</li></ul>	

## Achievements

HackerRank Biweekly Contest: Secured 2nd position twice among 70+ competitors.  
Solved 350+ problems on LeetCode and 350+ problems on GFG, mastering Data Structures and Algorithms.  
Won first prize twice at INNOTECH 2023 – 2024 for poster presentations on social equality and inclusion, pitching innovative ideas at the departmental level.  
Achieved a 4-star rating in SQL on HackerRank.

## Technologies

**Languages:** C, C++, Python, SQL, HTML, CSS  
**Development Tools:** Android Studio, Jupyter Notebook, Google Colab, Microsoft SQL Server, Visual Studio Code, GitHub, PyCharm, PowerBI, Tableau, Flask, Django, Bootstrap  
**Machine Learning Libraries:** Scikit-learn, Seaborn, NumPy, Pandas

## Certifications

**Software Testing - NPTEL (IIT Kharagpur)**  
**DSA Self Paced -Geeks For Geeks**  
**Complete Data Analytics BootCamp-Beginner to Advanced -Udemy**

## Position of Responsibility

Served as **Android Development Coordinator** at **CPByte**, a college community at KIET, mentoring students in Android app development and guiding them in building real-world projects.