

Rahul Kanyal

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PROFESSIONAL SUMMARY

Computer Science graduate with hands-on experience in full-stack web development, artificial intelligence applications, and API integration. Skilled in building scalable web platforms using React, Python, and JavaScript. Experienced in developing AI-driven systems, data processing pipelines, and automation tools. Strong foundation in software engineering, problem-solving, and version control using Git.

EDUCATION

Graphic Era Hill University

Bachelor of Technology in Computer Science Engineering | **GPA: 7.6/10.0**

Dehradun, Uttarakhand

Oct. 2021 – June 2025

TECHNICAL SKILLS

Programming Languages: C, C++, Python, JavaScript, SQL

Web Technologies: HTML5, CSS3, React.js, REST APIs

APIs & Integration: Razorpay API, Gemini API, Web Speech API

Frameworks & Tools: Streamlit, Git, GitHub, Postman

PROFESSIONAL EXPERIENCE

AI Research Intern

Oct. 2024 – Mar. 2025

Remote

Insignia Consultancy Solutions

- Evaluated and benchmarked generative AI models for image, video, and audio processing
- Designed data preprocessing pipelines to clean and structure unstructured datasets
- Developed and optimized lip-sync pipelines using Wav2Lip and SyncNet
- Built and fine-tuned NER pipelines achieving 92% entity recognition accuracy on domain-specific datasets

PROJECTS

Virtual Interviewer Platform | React, APIs (Gemini, Web Speech, Razorpay)

Nov. 2024 – May 2025

- Link:** ai-interviewer-ruby.vercel.app
- Designed an AI-powered interview simulation platform for job seekers
- Implemented resume-based and role-specific question generation using LLM APIs
- Integrated Razorpay payment gateway to process secure transactions with 99.9% payment success rate
- Integrated real-time speech recognition and synthesis, improving interview completion rate by 35%
- Automated feedback analysis and PDF report generation
- Served multiple users with real-time interaction and personalized assessment

Chat with Multiple PDF App | Python, Gemini API

Jan. 2024 – Mar. 2024

- Link:** github.com/RahulKanyal05/ChatWithMultiplePDF
- Created an AI document analysis system for PDF summarization and Q&A
- Implemented PyPDF2 for text extraction and FAISS for vector similarity search
- Optimized embedding and chunking pipeline, reducing response latency by 40%
- Improved information retrieval accuracy for multi-document queries

AI Medical Assistant App | Python, Gemini API

Oct. 2023 – Nov. 2023

- Link:** github.com/RahulKanyal05/AI-Assisted-Medical-Image-Analyzer
- Developed an AI-based medical image analysis system for research purposes
- Generated automated diagnostic insights and reports
- Designed an interactive UI using Streamlit
- Improved usability and accessibility for non-technical users

ACCOMPLISHMENTS

- National Semi-Finalist in Tata Imagination Challenge 2024 – Recognized by Tata Group
- Member of Co-dev Club, GEHU – Collaborates on tech projects and coding challenges