

RAGHAV KUMAR

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EDUCATION

SRM University
Bachelor of Technology in Computer Science and Engineering

Delhi-NCR Sonapat, Haryana
Sep 2022 – Jun 2026

TECHNICAL SKILLS

Languages: Python, SQL

AI/ML: Machine Learning, Deep Learning, Generative AI, Large Language Models(LLMs), Prompt Engineering, Retrieval-Augmented Generation(RAG), AI Agents, Feature Engineering, Model Training, Model Evaluation, Natural Language Processing (NLP)

Frameworks & Libraries: TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib, XG Boost, Hugging Face Transformers, LangChain, LangGraph, LlamaIndex, Streamlit

AI Tools & APIs: Google Gemini API, Open AI API, Pollinations AI, REST APIs

Data Science: Exploratory Data Analysis (EDA), Data Visualization

Developer Tools: Git, GitHub, VS Code, Jupyter Notebook

Mathematics: Statistics & Probability, Linear Algebra, Calculus

EXPERIENCE

Campus Ambassador
E Cell, IIT Bombay

Jul 2025 - Dec 2025

- Represented E-Cell IIT Bombay by promoting entrepreneurship initiatives across campus through multiple outreach campaigns.
- Organized outreach activities to increase participation in startup events, workshops, and networking sessions.
- Connected students with mentorship opportunities, entrepreneurship resources, and industry programs through campus-wide engagement initiatives.

AI Web Development Intern
InAmigos Foundation

Jun 2026 - Jul 2026

- Produced 3+ AI-generated websites for portfolio, NGO, and business use cases using AI-powered no-code website builders.
- Applied AI tools to research, analyze, and prepare 3+ social-impact reports and website concepts, improving content creation and ideation workflows.
- Modeled NGO website UI prototypes in Figma, highlighting donation, volunteer, impact showcase, and campaign management features.

AI Summer Intern
Mirai School of Technology

Jul 2026 - Present

- Architected 4+ Generative AI applications using Python, Streamlit, Google Gemini API, and REST APIs, implementing prompt engineering and LLM-powered workflows.
- Constructed multimodal AI applications featuring session management, chat memory, structured JSON parsing, Text-to-Speech (gTTS), and AI-generated image integration.
- Deployed Gemini API integrations, optimized application workflows, debugged AI applications, and delivered interactive Streamlit-based AI solutions.

PROJECTS

Visual Novel Engine

Python • Streamlit • Google Gemini API • Pollinations AI • gTTS

- Engineered a multimodal AI-powered visual novel application using Python, Streamlit, Google Gemini API, Pollinations AI, and gTTS, enabling AI-driven interactive story telling.
- Implemented structured JSON parsing, Streamlit Session State, dynamic branching logic, AI-generated visuals, and Text-to-Speech narration for an immersive user experience.
- Integrated multiple AI services with robust exception handling, responsive UI components, and state management to ensure reliable application performance.

AI Multiverse Chatbot

Python • Streamlit • Google Gemini API • Prompt Engineering

- Developed a persona-driven AI chatbot using Python, Streamlit, and the Google Gemini API to deliver dynamic, context-aware conversations.
- Designed chat memory using Streamlit Session State, prompt engineering, and conversation history management for a stateful user experience.
- Optimized LLM APIs with a responsive chat interface, customizable AI personas, and robust application debugging to enhance user interaction.

Weather Trend Forecasting

Python • Pandas • Scikit-learn • XG Boost • Random Forest • ARIMA • Matplotlib • Machine Learning

- Performed exploratory data analysis (EDA), data preprocessing, and feature engineering on global weather datasets to identify key temperature-driving factors.
- Built, trained, and evaluated Random Forest, XG Boost, and ARIMA forecasting models using MAE, RMSE, and R^2 evaluation metrics.
- Evaluated machine learning and time-series forecasting models to identify the best-performing approach for temperature prediction and predictive analytics.

AI Image Studio

Python • Streamlit • Pollinations AI • REST API

- Created an AI-powered image generation application using Python, Streamlit, and Pollinations AI, supporting 4+ image customization features.
- Added prompt enhancement, customizable image dimensions, multiple art styles, and downloadable image generation for an enhanced user experience.
- Integrated Pollinations AI REST API with responsive Streamlit components, dynamic image rendering, and exception handling to ensure reliable application performance.