Bhawna Nagpal

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ACADEMIC DETAILS

Year	Exam/Degree	University/School	CGPA/%
2021-present	B.Tech(CSE)	Graphic Era Hill University	7.69
2019-2020	Intermediate/CBSE	St. Mary's Senior Secondary School	82.2 %
2017-2018	High School/CBSE	St. Mary's Senior Secondary School	87.8%

PROJECTS

- **Chat with Multiple PDF** (Duration: May 2024 – June2024)
  - Objective: To develop an LLM application that integrates multiple PDF documents using Google Gemini Pro and LangChain, leveraging FAISS vector embeddings for efficient information retrieval and interaction.
  - Key Learnings: Learned to use Google Gemini Pro for language modeling, LangChain for document handling, and FAISS for vector embeddings to efficiently search and retrieve PDF information.
    Tools/Technologies Used: Python, Streamlit, Google Gemini Pro, Langchain, FAISS

- **AI Medical Assistant App** (Duration: December 2023 - January 2024)
  - Objective: Develop an AI tool that processes medical images to provide detailed analysis, second opinions, finding reports, recommendations, and treatment suggestions for doctors and patients.
  - Key Learnings: Learned to integrate Google Gemini Pro for advanced image analysis and second opinions, create detailed medical reports, and provide actionable recommendations for both doctors and patients.
  - Tools/Technologies Used: Python, Streamlit, Google Gemini Pro.

- **Virtual White Board** (Duration: August 2023- September 2023)
  - Objective: Develop an ML-based virtual whiteboard using Air Canvas and OpenCV for real-time gesture recognition and interactive drawing capabilities.
  - Key Learnings: Learned how to use machine learning for recognizing gestures and OpenCV for processing images in real-time, creating an interactive digital whiteboard for drawing and annotations.
  - Tools/Technologies Used: Air Canvas, Python, OpenCV, numpy.

- **YouTube Video Transcriber** (Duration: August 2022 - October 2022)
  - Objective: To develop an end-to-end application that extracts YouTube video transcripts and generates summaries using the Google Gemini API key.
  - Key Learnings: Learned to use the Google Gemini API for extracting and summarizing video transcripts, and developed an efficient workflow for generating concise summaries from video content.
  - Tools/Technologies Used: Python, Google Gemini API key, Streamlit.

TECHNICAL SKILLS

Languages: C, C++, Java, Python
Front-end Development: React.js, React Router
Back-end Development: Node.js, Express.js, Mongo DB, SQL
Web Technologies: HTML5, CSS3, JavaScript(ES6+), npm
Version Control: Git, GitHub, GitLab

EXTRACURRICULAR ACTIVITIES

- I secured 1st position in Graphic Design Competition held at our University.
- Our team was awarded 2nd prize in the hackathon organized by the Codev team at our college.