Pankaj Gupta

Roll No.: 2024UG3014
Bachelor of Technology
Computer Science and Engineering
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🔗 Pankaj Gupta

EDUCATION

- **Indian Institute Of Information Technology, Ranchi** — *2024-28*
  B.Tech (CSE (DS AI)) — CGPA: 8.3

- **Angels High School** — *2021-23*
  Higher Secondary Education — percentage:- 93

EXPERIENCE

- **E-cell IIIT Ranchi** — *2024-present*
  Corporate Relations

PERSONAL PROJECTS

- **Smart India Hackathon**

  Chat Bot for multiple tasks

  - Tools & technologies used:Html,CSS,Vs code
  - This Chatbot project helps users book train, flight, cab, . It calculates fares based on distance and class . A Chatbot button makes it simple to access, and the booking pages match the chatbot's style for a smooth experience.

- **Laptop price Predictor**

  Predict laptop prices

  - Tools & technologies used:Vs Code,Jupyter Notebook,Colab,Spyder,Streamlit,Fast-Api
  - Developed a predictive model to estimate laptop prices based on features such as brand, processor type, RAM size, storage, display size, and other specifications. The model uses machine learning algorithms to analyze historical data and predict the most accurate price for a laptop based on input parameters. It helps users make informed decisions when purchasing laptops by providing price estimates tailored to specific configurations.

- **Gen-Ai Tools**

  Page-Summarizer and Translator Chrome Plug-IN,Basic Rag

  - Tools & technologies used:Vs Code,Jupyter Notebook,Colab,Spyder,Streamlit,JS,Chrome developer mode,Langchian,Fast-Api
  - Developed a Chrome plug-in that summarizes webpages using open source LLMs .
  - Implemented translation functionality supporting multiple languages using a translation LLM.

- **Game Development**

  Tetras,Retro-snake,Sudoku,ping-pong

  - Tools & technologies used:Vs Code,Visual Studio 2022, Raylib c++ library, Python's Pygames
  - Challenges : Handling the movement of the character , physics and collision
  - learning : Up-skilled the concepts of OOPS for both c++ and Python, implementation of the data structures for different operationsin the game were the biggest take aways

- **Projects under development**

  Eelection Result Prediction for Bihar Election

  - Tools & technologies used:Vs Code,Jupyter Notebook,Colab, NITI Aayog public data-sets
  - Trying to Study the voters and voting pattern using the previous and current trends due to the polices of the government and the society demography
  - Learning from the current development and taking guidance from the social engineering profs for this project

TECHNICAL SKILLS AND INTERESTS

Languages: C ,C++, Python, Java-Script,Go
Developer Tools: Git, GitHub, VS Code, IntelliJ IDEA, Docker, Visual Studio 2022
Frameworks: Fast API, C++, Raylib, PyGame, Pydantic, Langchain
Soft Skills: Good communication skills , Analytical Skill
Areas of Interest: Back End, DSA, CP , ML, Generative AI, Data Science