Mukul Jain

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⌨ MuKuLJain07

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in mukul-jain7

About me

To become an asset to the organization/institution by gaining a comprehensive understanding of technology, improving my problem solving skills and exploring new things in life.

About me

Languages: Python, C++, HTML/CSS, SQL

Developer Tools: VS Code, Git, Bootstrap, AWS

Technologies/Frameworks: Machine Learning(Regression, Similarity Search, NLP), GenAI, Django, Tkinter

About me

- Weight training / Gym
- Swimming Gym
- Basketball

Education

Bachelor of Technology (Computer Science - AI)	**Present**
G.L. Bajaj Institute of Technology and Management, Gr. Noida	8.37 CGPA
Senior Secondary School	**2021**
Chinmaya Vidyalaya, Vasant Vihar, New Delhi	85.2 %

Internship

DotPe Pvt. Ltd. **Sept 2024 - Present**
Tech Intern Gurugram, Haryana
- Assisted in automating and streamlining operations using CI/CD pipelines.
- Managed cloud infrastructure (AWS) for scalable deployment.
- Utilized tools like Docker, Kubernetes, and Jenkins for containerization and orchestration.

ShortHills Tech Pvt. Ltd. **Aug 2023 - Sept 2023**
Software Engineer Trainee Gurugram, Haryana
- Gained hands-on experience with generative AI and various APIs, enhancing skills in natural language processing and AI- driven solutions. (Developed a Multiple PDF QA System)
- Technologies Tools: GenAI, prompt engineering, OpenAI API, Google-Gemini API, Pinecone vector database, Streamlit(Python), Similarity search.

Projects

AI Virtual Painter | Python, openCV, mediapipe
- Developed a virtual painter application that allows users to draw on the screen using hand gestures, detected through the mediapipe hand tracking module.
- Integrated OpenCV for real-time video processing and rendering, enabling smooth and responsive interaction.
- Implemented gesture recognition to simulate brush strokes, color selection, and canvas clearing functionalities, enhancing user experience. https://github.com/MuKuLJain07/Movie-Recommendation-System

Calorie Camera | Python, Streamlit, Google Gemini-pro-vision
- Developed a system using gemini-pro-vision for users to upload food images, analyze nutritional content, and receive dietary recommendations.
- Identifies and quantifies proteins, carbs, fats, fibers, and minerals in the food. Determines if food is healthy or unhealthy and provides diet suggestions and healthy recipes.
- Developed an interactive web application using Streamlit : https://calorie-cam.streamlit.app/

Payroll Management System | Python, Tkinter(GUI), SQL
- Developed a payroll system interface using Tkinter in Python, seamlessly integrated with a SQL database.
- Tailored specifically for small organizations with a limited number of employees, this system streamlines payroll management processes.
- Notably, it offers the convenience of generating customizable payslips, which can be effortlessly printed or conveniently emailed to employees. Github Link : https://github.com/MuKuLJain07/Payroll-system

Certificates / Achievements

- DSA Certification in Python
- Certification : An Introduction to Artificial Intelligence
- Meta backend development certificate
- NVIDIA GRIL Training