SANKALP GUPTA

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Education

Bachelor of Technology in Computer Science with Artificial Intelligence   **Kanpur, India**

Chhatrapati Shahu ji Maharaj University *, Kanpur*   *Jun 2022 - Present*

Projects

1. **Banking Transaction Manager: Reliable Money Transfer with Rollback**   ⭘ **Github**
   - A Flask-based banking system that simulates secure money transfers between accounts using MySQL transactions
   - **Features:** Implements balance checks, transaction logging, and auto-rollback on failure for data integrity.
   - **Tech-Stack**: Flask, MySQL, Python, HTML/CSS

2. **AI Based Theory Generator Using Transformers**   ⭘ **Github**
   - An AI-powered tool that extracts content from academic PDFs and generates structured theory using NLP and GPT-based transformers.
   - Features: Uploads PDF, extracts clean text, detects key topics, and generates detailed explanations using embeddings and language models.
   - Tech-Stack: Python, Flask, PyMuPDF , Transformers (BERT/GPT), Sentence Transformers, NLP.

3. **AI-Image Generator : (Gradio + Google Colab)**   ⭘ **Live LInk**
   - A powerful image generation tool that allows users to generate high-quality images using custom text prompts powered by Stable Diffusion.
   - **Features:** Real-time image generation from prompts, GPU-accelerated processing via Google Colab, user-friendly interface built with Gradio, supports custom styles and compositions.
   - **Tech-Stack:** Python, Gradio, Stable diffusion, Hugging face diffusers, Google Collab, Transformers

Achievements

- Selected for **Amazon Interview Preparation Track**, focusing on DSA, system design, and behavioral rounds.
- Earned **Kaggle Badges** in data visualization and ML through participation in real-world competitions.
- Achieved **LeetCode 50-Day Streak Badge** consistently solving problems to strengthen problem-solving skills.
- Contributed to **Smart India Hackathon (SIH) 2024**, building real-world solutions using Flutter, Node.js, MongoDB, and AI.
- Developed Speech-to-Text and Face Liveness Detection ML Model using TensorFlow and OpenCV
- Built **AI-Based Theory Generator** using Flask, OpenAI, and NLP to auto-generate structured academic content.
- Created **Hostel Room Management System** (DBMS Project) using PHP, MySQL, and HTML/CSS with full admin dashboard and role-based access

Position of Responsibility

➢ **Team Lead at Infotect Solutions, Bangalore (Karnataka)**   **May 2025 - Present (Remote)**
   - Leading automation initiatives to improve data analysis workflows and coding efficiency
   - Preparing detailed reports and supporting data-driven strategies for business decisions.
➢ **Trainee at AI/ML Summer Training Program (IIIT Allahabad).**   **Apr 2025 - May 2025 (Remote)**
   - Completed structured AI/ML training with practical assignments and real-world problem-solving.
   - Gained exposure to supervised learning, deep learning, and NLP techniques.
➢ **Project Coordinator at IBM Skills**   **Mar 2025 - Apr 2025 (Remote)**
   - Managed deployment of machine learning models for healthcare and sports analytics.
   - Oversaw data preprocessing and model optimization to ensure high predictive accuracy.

Skills

Languages: C, HTML, Java, JavaScript, Python, SQL.
Frameworks & Libraries: Firebase,Pandas,Flask,Tensorflow,Keras,Sklearn
Developer Tools: Jupyter, Git, GitHub, MySQL VS Code, Google Collab.
Platforms: Linux, Web, Windows, Hugging face , Bert
Soft Skills: Communication, Event Management, Leadership, Problem-Solving, Teamwork, UI/UX Design Sense