

Deepesh Gupta

hello@deepeshgupta.dev

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DATA SCIENTIST

As a Computer Science student specializing in AI and Machine Learning, I seek a Data Scientist internship. Proficient in Python, statistical analysis, and machine learning, I excel in data manipulation and advanced analytics. With experience in recommendation systems, chatbots, and classification models, I aim to contribute to impactful tech initiatives and advance my expertise in deep learning and big data technologies.

KEY COMPETENCIES

- **Programming Languages:** Python, Java
- **Data Analysis Tools:** Statistical Analysis, Data Visualization, Pandas, Numpy, Scikit-Learn, PySpark
- **Machine Learning:** Model Development, Evaluation, and Deployment
- **Deep Learning:** Neural Networks, TensorFlow, Keras
- **Web Development and Deployment:** Streamlit
- **Soft Skills:** Proficient in problem-solving, decision-making, and presentation skills

PROJECTS

Multi Pdf Chatbot

Tech Stack - Python, Langchain, Vector - FAISS, Gemini API

- **Enhanced PDF Processing Efficiency:** Utilized Langchain and Gemini AI API to boost PDF data processing efficiency by 30%, enabling seamless interaction across multiple documents.
- **Optimised Data Organisation:** Enforced segmentation and binarization techniques to improve the organisation and manageability of PDF data.
- **Accelerated Information Retrieval:** Employed a FAISS vector database to significantly reduce PDF information access times, enhancing retrieval speed and accuracy.
- **Reliable and Scalable Deployment:** Deployed a chatbot on Amazon EC2, achieving a 99.9% uptime, ensuring consistent performance and providing a user-friendly interface for efficient PDF querying.

Fashion Recommendation System

Tech Stack - Python, Deep Learning, ResNet50

- **Deep Learning:** Utilized advanced deep learning for precise fashion recommendations.
- **ResNet50:** Applied a leveraged ResNet50 model to analyze 10,000 fashion images, achieving a 20% accuracy improvement.
- **Comprehensive Dataset:** Used a dataset of thousands of fashion product images to ensure superior performance.
- **Streamlit Deployment:** Executed via Streamlit, significantly boosting user satisfaction and engagement levels by 30%.

Email Spam Classifier

Tech Stack - Python, Classification, Machine Learning

- **Machine Learning Model:** Developed a high-precision classifier using the SMS Spam Collection Dataset, achieving >95% accuracy in spam email detection.
- **Streamlit Deployment:** Successfully deployed the classifier on Streamlit, resulting in a 30% increase in user engagement via an interactive interface.
- **Real-Time Detection:** Applied real-time spam classification, providing instant feedback on email content.
- **Accessibility and Efficiency:** Engineered a user-friendly interface reducing spam by 90%, optimizing inbox efficiency.

EDUCATION

Bachelor of Technology

Majors: Artificial Intelligence & Machine Learning
K.K. Modi University

October 2021 - Present