CONTACT

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Ambala, INDIA

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0 Year 11 Months of experience

EDUCATION

2024

MCA - Computers

Lovely Professional University (LPU)

Grade - 7.5/10

2020

BCA - Computers

Kurukshetra University

Grade - 6/10

KEYSKILLS

Python Development

Flask

SQL

GIT

Github

Django

Scikit-Learn

Tensorflow

Keras

Data Cleansing

EDA

Analysis

Pipeline

Web Scraping

API Design and Development

SHIVAM

DATA SCIENTIST TRAINEE

PROFILE SUMMARY

Experienced data analyst proficient in machine learning and Python software development. Skilled in constructing efficient algorithms, enhancing model performance, and delivering comprehensive solutions. Adept at analyzing complex data sets and deriving valuable insights to drive business decisions.

WORK EXPERIENCE

2024 - Present

Data Scientist Trainee

Innomatics Research Lab

- Developed and implemented machine learning models to improve predictive analytics, resulting in a 30% increase in accuracy.
- Utilized advanced machine learning techniques to build models for predictive analysis, improving forecasting accuracy by 25%.
- Built and deployed state-of-the-art deep learning models (ANN, CNN) for precise image classification, reducing misclassification by 20%.
- Created efficient Python-based software solutions using Flask for seamless model deployment, streamlining the process by 40%.
- Managed code versioning and collaboration effectively using GitHub, ensuring seamless teamwork and version control.

INTERNSHIP

Neur

Neural Networks

Machine Learning

Deep Learning

Statistics

generative ai

microsoft offi

Microsoft Office Applications

Visualization Technologies

Tableau

Power BI

Jupyter Notebook

CERTIFICATIONS

- Data Analytics Hackathon on IPL
- IBM certified Data Scientist
- Advanced Data Analysis Internship Program

LANGUAGE

Hindi

English

SOCIAL LINKS

https://www.linkedin.com/in/shivam2707/

Innomatics Research Lab

Optimizing Predictive Modeling: A Comprehensive Study of Data Handling and Model Selection Strategie

3 Months

- Developed a comprehensive understanding of healthcare practitioner charges and services by leveraging a dataset with insights into healthcare providers and their associated costs
- Applied predictive modeling and data analysis techniques to optimize resource allocation and identify potential areas for cost-efficiency within the healthcare system
- Leveraged skills in Python, Artificial Neural Networks, EDA, Random Forest, XGBoost, Linear Regression, Gradient Boosting, Deep Learning, and Machine Learning to drive project success

PROJECTS

Interactive Chatbot with Google Generative AI

10 Days

Built an interactive chatbot using Google's Gemini Pro model and Streamlit to deliver seamless, human-like conversations.
o Key Features:

- AI-Powered Conversations: Context-aware and accurate responses.
- User-Friendly Interface: Light and dark theme options for a responsive UI.
- Downloadable Chat History: Enabled saving conversations for analysis or reference

AI-Powered Solution to Assist Visually Impaired Individuals

5 Days

Built a Streamlit-based application leveraging Google Generative AI and Langchain to assist visually impaired users.
o Key Features:

- Real-Time Scene Understanding: Generated descriptive textual interpretations of images.
- Text-to-Speech Conversion: Converted extracted text from images into audible speech.
- Object and Obstacle Detection: Highlighted objects or obstacles in images for enhanced situational awareness.
- Personalized Assistance: Recognized items, read labels, and provided context-specific guidance for

daily tasks.
o Why It Matters: This project demonstrates how AI can enhance accessibility and inclusivity for visually impaired individuals.

Subtitle Search Engine

5 Days

- Developed a Python Flask application for semantic search of movie subtitles, improving search accuracy by 25%.
- Tools: Flask, Regex, Data Cleaning

AI-Powered Pollution Analysis

5 Days

o Analysed vehicle counts using YouTube live streams for AI-based pollution measurement, cutting analysis time by 30%.
o Tools: YOLOv8n, TensorFlow, Streamlit.