DEEP PRATAP SINGH

DATA SCIENTIST

deeppratapsingh0996@gmail.com +919893363255 Satna Madhya Pradesh Male LinkedIn
GitHub Dashboard

PROFILE

Highly motivated **Data Scientist** with a year of experience in **Machine Learning, Deep Learning, and NLP**. Skilled in applying these techniques to solve complex problems and extract valuable insights from data. Adept at leveraging statistical models and optimization techniques to develop robust solutions.

PROFESSIONAL EXPERIENCE

Jr Data Scientist, *codebook.in* Jan 2023 – present
Hyderabad, India

- Engaged in Machine Learning (ML), Natural Language Processing (NLP), and Computer Vision (CV) projects, contributing to multidisciplinary solutions.
- Designed and executed data preprocessing pipelines, ensuring data quality and facilitating accurate analysis.
- Collaborated with cross-functional teams to enable end-to-end development, from project inception to deployment.
- Leveraged new statistical and mathematical methodologies to enhance the performance of specific models and analyses.
- Applied Flask for web development, contributing to the creation of interactive and user-friendly applications.

Data Analyst, *Accenture (Internship)* Apr 2023 – May 2023

- Quickly get up to speed with the business problem being addressed, project requirements, and team alignment (Project understanding)
- Data modeling to generate insightful knowledge (Data cleaning and modeling)
- Make your data more engaging and discover business-related insights (Data Visualization)
- Storytelling
- To stand out by sharing your views with the client (Presentation to the client)

Data Analyst, *Pwc (Internship)* Apr 2023 – Apr 2023

- Define KPIs to track progress and ensure that the business is on track to achieve its goals.
- Analyze customer and agent behavior to identify areas where the customer experience can be improved.
- Perform customer retention analysis to identify factors that contribute to customer retention and develop strategies to improve retention rates.
- Create dashboards and use data visualization to gain insights into the data and make informed decisions.

PROJECTS

Crop_Prediction_Recommendation_system

- The project aims to develop an intelligent system that assists farmers in making informed decisions about suitable crop selection based on various environmental and soil conditions.
- Analysed data and developed machine learning algorithms to predict output.
- Deployed predictive model on the web using Flask.
- Collaborated with cross-functional teams to ensure model accuracy and reliability.
- Tested and validated model performance and made necessary improvements.
- Skills - Python, Machine Learning, CI/CD Pipelines, Optimization, Statistics, Flask.
- Tools - NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Vs-code
- Algorithm Used- Data Preprocessing, Random Forest Classifier, Logistic Regression, SVM.

Transaction Fraud Detection

- The objective of this project is to find the patterns of transactions performed and help algorithms learn those patterns in identifying fraudulent transactions and flag them
- Exploratory analysis of data to extract the pattern of fraudulent activities
- Build a machine learning model to classify fraud and non-fraud transactions
- Deployed the model on the web using Flask.
- Skills - Python, Machine Learning, Optimization, Statistics, CI/CD pipeline
- Tools - NumPy, Pandas, Matplotlib, Seaborn, Sklearn, Vs code, Flask
- Algorithm Used- Logistic Regression, KNeighborsClassifier, Decision Tree, Hyper Parameter Tunning

Delivery Time Prediction

- Our project aims to revolutionize the food delivery industry by implementing a data-driven, customer-centric approach to predict delivery times accurately.
- By factoring in distance and historical delivery data, we will create a robust predictive model that benefits both customers and the operational efficiency of food delivery services.
- Key Project Elements: Distance Calculation, Historical Data Analysis
- Skills - Python, Machine learning, Features extraction, statistics, Data Preprocessing CI/CD pipeline
- Tools - NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Vs-code
- Algorithm Used- Random Forest Regressor, Gradient Boosting Regressor, Decision Tree Regressor, XGB Regressor

Examination Surveillance System

Objective- the goal of this project is to develop a user-friendly system for video surveillance that can process videos and identify different activities. The system aims to segment videos based on activity and detect unusual or malicious activities such as fights or individuals carrying weapons. The front-end interface will be simple and easy to use, allowing users to input videos and analyze them efficiently.
Skills- Python, Deep learning, OpenCV, Yolo, Python libraries

SKILLS

Python | Data Analysis | Machine Learning | Deep Learning | Data Visualization | Optimization | Statistics
Predictive Modeling | Power BI | MySQL | Computer Vision | Python Libraries | Tableau | OpenCV's | NLP

EDUCATION

Bachelor Of Engineering, *sagar Institute of science technology & engineering* Bhopal, India
8.13 cgpa

12th M.P.Board, *Government Venkat Higher Secondary School Excellence No.1* Satna
89 %

10th M.P.Board, *Government Venkat Higher Secondary School Excellence No.1* Satna
79.33 %

CERTIFICATES

- Full Stack Data Science & AI
- Python Developer
- Business Analytics with Excel
- Text Summarization using BERT
- CCA 175 Spark and Hadoop Developer Certification
- Introduction to Artificial Intelligence
- Machine Learning Bootcamp
- Data Visualization with Power BI
- Data Visualization: Empowering Business with Effective Insights
- Power BI Virtual Case Experience
- NLP Language Detection
- OpenAI ChatGPT Predictions