

Anusha G

Machine Learning | Python Developer

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SUMMARY

B. Tech graduate with a Data Science certification and strong expertise in data preprocessing, analysis, and visualization. Proficient in developing and optimizing machine learning models using supervised, unsupervised, and deep learning techniques across diverse domains. Skilled in fine-tuning models to enhance performance and deliver actionable insights. Demonstrates strong problem-solving abilities, a collaborative mindset, and a proven track record of driving measurable improvements in system performance and operational efficiency.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java
- **Frameworks & Libraries:** TensorFlow, scikit-learn, Keras, pandas, NumPy
- **Data Tools:** SQL, PostgreSQL
- **Other Tools:** Git, Jupyter Notebooks, Google Colab
- **Data Visualization:** Matplotlib, Seaborn
- **Concepts:** Supervised and Unsupervised Learning, Computer Vision, Deep Learning, NLP

EXPERIENCE

Job Title – Java Developer

Company Name – [Bristlecone]

- Implemented database connectivity and operations using JDBC for managing relational data efficiently.
- Wrote SQL queries to perform CRUD operations and optimized queries for performance.
- Integrated JDBC drivers for various databases, including MySQL, PostgreSQL, and Oracle.
- Conducted data validation and transformation to ensure integrity during database interactions.

PROJECTS

Products Recommendation

- Designed and implemented a personalized product recommendation system to enhance user engagement and increase sales.
- Utilized collaborative filtering and content-based filtering algorithms to recommend products based on user preferences and behavior.
- Preprocessed and analyzed datasets using pandas and NumPy for feature engineering.

Key Skills: Collaborative filtering, content-based filtering algorithms and Streamlit.

Bike Insurance Fraud Detection

- Developed a fraud detection model to identify potential fraudulent claims in bike insurance.
- Performed EDA (Exploratory Data Analysis) to identify patterns and anomalies in insurance claims data.
- Evaluated models using metrics like AUC-ROC, confusion matrix, precision, recall, and F1-score.
- Implemented oversampling techniques (SMOTE) to address class imbalance and improve model performance.

Key Skills: SVC (Linear Kernel), Random Forest, K-Nearest Neighbors, AdaBoost, Gradient Boosting, XGBoost.

Computer Objects Detection (Computer Vision)

- Developed a real-time object detection system using the YOLO (You Only Look Once) algorithm to identify and classify objects of Computer images.

- Trained YOLO models on GPU-accelerated environments.
- Fine-tuned hyperparameters (batch size, epochs) to optimize model performance.

Key Skills: Python, YOLO.

EDUCATION

Jul '16 – Aug '20

B.E (Computer Science)
Ballari Institute of Technology and Management

CERTIFICATION

Advanced Certification in Data Science - IIIT-B
Software Development in JAVA – VTECH

ADDITIONAL INFORMATION

- **Languages:** Kannada (native), Telugu, Hindi, English.
 - **Interests:** Cooking, Reading Books.
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