SUDHANVA H A

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PROFESSIONAL SUMMARY

Motivated AIML undergraduate with hands-on experience in end-to-end machine learning projects, seeking an Associate AI Engineer role. Skilled in Python, SQL, and model development with frameworks like TensorFlow and PyTorch, with a proven record in data preprocessing, feature engineering, and model optimization. Eager to contribute technical expertise and collaborative problem-solving to enhance AI-driven customer service solutions.

EDUCATION

Nitte Meenakshi Institute of Technology Bengaluru, Karnataka, India **2021 - Present**
Bachelor of Engineering, Artificial Intelligence and Machine Learning
- **GPA:** CGPA 8.13/10

ST Johns PU college Davanagere, Karnataka,India **2019 - 2021**
Pre University, Karnataka State board
- **GPA:** 588/600 (Percentage: 98)

Karnataka Cultural Association High School Harapanahalli, Vijayanagar, Karnataka, India **2018 - 2019**
10th Grade, Karnataka State board
- **GPA:** 606/625 (Percentage: 96.96)

EXPERIENCE

Code Clause **Sep 2023 - Oct 2023**
Artificial Intelligence Intern. *Remote*
- Engineered and integrated a sales prediction model using linear regression, deploying it within a web interface for real-time predictions.
- Resolved challenges in data preprocessing, feature selection, and model scalability while ensuring model accuracy and reliability.
- Proposed model enhancements by incorporating seasonality analysis and advanced machine learning techniques to boost prediction accuracy.

PROJECT

Credit Risk Modeling Using Machine Learning.
- Preprocessed Data: Handled missing values and selected relevant features using Chi-square tests and VIF analysis.
- Model Development: Built and optimized Random Forest, Decision Tree, and XGBoost models with hyperparameter tuning.
- Model Evaluation: Evaluated models using precision, recall, and F1-score, and improved performance through feature engineering.

E-KYC using Computer Vision.
- Implemented Optical Character Recognition (OCR) to extract text from identity documents.
- Developed face detection and recognition systems for verifying user identity.
- Integrated OCR and face recognition into a complete eKYC solution for automated identity verification.

TECHNICAL SKILLS

- **Languages**: C, Python, Java, SQL
- **Soft Skills**: Effective Communication, Leadership, Teamwork, Problem Solving
- **Libraries**: NumPy, Pandas, Scikit-learn, Seaborn, Matplotlib
- **Frameworks & Tools**: Machine Learning, Deep Learning, PyTorch, TensorFlow, Keras

CERTIFICATIONS

- **Python coding with application projects and solutions:**Indoskill
  Issued 2022
- **Python 101 for Data Science:**IBM
  Issued 2022