DINESH **EZHILMURUGU**

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Summary

Data Scientist with expertise in Machine Learning and Cloud Computing, skilled at transforming large datasets into actionable insights through advanced predictive modeling, automation, and scalable CI/CD pipelines. Proven success in customer segmentation and targeted analytics to drive strategic business decisions. Adept at leading cross-functional collaborations to solve complex, real-world challenges with data-driven solutions.

Technical Skills

- Large dataset manipulation
- Machine Learning
- Predictive modeling
- Data Analytics
- Deep Learning

Soft Skills

- Reliability
- Project Management
- Planning
- Emotional Intelligence
- Interpersonal and client communications

Experience

Data Scientist **10/2021 to 01/2023**
Positive Integers Pvt Ltd **Chennai, India**

- **Optimized Credit Model Deployment:** Built and refactored a CI/CD pipeline (AWS, Bitbucket) for a credit risk classification model, reducing deployment time by 40% for HDFC.
- **Boosted Recommendation Model Efficiency:** Managed Dabur's ML recommendation model (PySpark, Azure), delivering actionable insights and weekly performance reports that informed targeted marketing strategies.
- **Enhanced Lead Conversion Accuracy:** Developed a lead-generation model using clustering for SunEdison, achieving high-confidence predictions, which improved conversion efficiency by 20%.

Education

Master of Data Analytics **11/2024**
Queensland University of Technology
CGPA: 5.37 Brisbane, Queensland, Australia

PG Diploma: Analytics And Artificial Intelligence (Colab With UCLA) **04/2022**
Imarticus Learning Pvt Ltd Chennai, India
CGPA: 6.7

B.E: Electronics And Communication Engineering **04/2019**
SRM Easwari Engineering College Chennai, India
CGPA: 6.13

Projects

1) IoT Devices Intrusion Detection:

- **Developed High-Accuracy Detection Model:** Engineered a machine learning solution achieving 95% accuracy in IoT attack detection through LDA, PCA, and feature generation, optimizing IoT security.
- **Balanced Data for Model Precision:** Addressed dataset imbalance using under sampling and evaluated multiple models (Random Forest, XGBoost, LSTM) to determine optimal approach.

2) Software Vulnerability Detection:

- **Improved Vulnerability Detection by 94.23% Accuracy:** Tackled class imbalance with advanced semi-supervised methods, including Bi-LSTM and Graph Label Propagation, enhancing code vulnerability detection.

- **Recommended Optimal Model for Reliability:** Achieved high precision/recall rates, identifying Graph Label Propagation as the ideal model for effective vulnerability assessment in C++ codes.

Profiles

- https://www.linkedin.com/in/dinesh-ezhil-8a178a107