NESHA RAMYA RAJ

ASPIRING DEVELOPER

CONTACT

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EDUCATION

SWARGARANI SCHOOL

- 10TH (2019-2020)
- 12TH (2021-2022)

2022-2026

JSS ACADEMY OF TECHNICAL EDUCATION

- Bachelor of Engineering Computer Science (AI-ML)

SKILLS

- Microsoft PowerPoint
- Microsoft Word
- Microsoft Excel
- C++
- Python
- Active listening
- Leadership
- Multitasking

SUMMARY

Dedicated student with strong communication and interpersonal skills, adept at adapting to new environments. Highly organized and motivated, with proven time management abilities. Actively seeking entry-level opportunities to contribute to organizational success while further developing professional skills. Committed to continuous learning and effective change management.

PROJECTS

Fraud Detection

2024

2nd place in Geeks for Geeks hackathon

- Implemented and evaluated multiple machine learning models (Logistic Regression, LightGBM, XGBoost, CatBoost) and ensemble techniques (voting classifiers) for credit card fraud detection, achieving up to 99.95% accuracy and 0.97 AUC.
- Optimized model performance using hyperparameter tuning and majority voting, and compared performance using metrics like accuracy, precision, recall, F1-score, and ROC curves across models.
- Integrated deep learning using TensorFlow and Keras, achieving 99.79% accuracy and proving its robustness on imbalanced datasets with high fraud detection accuracy based on MCC and AUC evaluations.

Myntra Hacker Ramp

- Designed and implemented an end-to-end demand forecasting model using a combination of supervised (SVM, Random Forest, Naive Bayes) and unsupervised (clustering, KNN) learning techniques for image and numerical data.
- Preprocessed real-time image data from the Myntra app using Inception V3, followed by silhouette based clustering to group similar items effectively.
- Evaluated model performance using classification metrics (accuracy, precision, recall, ROC curves, confusion matrix) and forecasting metrics (MAE, RMSE) to optimize prediction accuracy.

Notify N Pick

2024

- Developed an end-to-end Python-based parcel management system, integrating OCR and barcode generation for automated check-in, notification, and pickup verification.
- Implemented real-time email notifications and history tracking, enhancing user communication and traceability of parcels in a centralized warehouse setup.
- Designed user-friendly modules for customer and parcel management, with scrollable UIs, batch processing, and secure search functionalities using Python libraries and OpenCV.