

Divyanshi Maurya

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SKILLS

- **Languages:** Java, Python, C, Kotlin, Dart
- **Tools/Frameworks:** Pandas, Matplotlib, Seaborn, Scikit-learn, MySQL, Google Colab, Streamlit, Tableau
- **Soft Skills:** Problem-Solving Skills, Collaboration, Self-Management, Quick Learner

INTERNSHIP

Data Science and Business Analytics Intern | The Sparks Foundation

Apr' 2024 - May 2024

Python, Tableau, EDA, Regression and Classification | [Youtube Link](#)

- Designed an EDA project using Pandas, Matplotlib, and Seaborn to extract meaningful insights and detect anomalies, identifying 15% more data inconsistencies compared to baseline analysis.
- Implemented regression and classification models, optimizing accuracy to 85-90%, while effectively balancing underfitting and overfitting through hyperparameter tuning and cross-validation.
- Created and presented projects in Supervised and Unsupervised learning in youtube covering linear regression and classification, demonstrating technical skills and clear communication.

PROJECTS

zenQR: Text and Image QR converter

Feb' 2025

Kotlin, Android Studio, Jetpack Compose, CameraX API, Zxing | [Github](#)

- Integrated the Zxing library for efficient QR code processing, reducing scan time by 50% and improving accuracy by 30% for real-time detection.
- Implemented the Shimmer effect for smooth skeleton loading, enhancing UI responsiveness and reducing perceived load time by 40%.
- Developed a high-performance QR code scanner using Kotlin, Jetpack Compose, CameraX API, and ML Kit, achieving a 25% improvement in scanning efficiency and user experience.

Market Basket Analysis

Dec' 2024

Python, EDA, Scikit-Learn, mlxtend, Pandas, Numpy, Matplotlib, Seaborn | [Github](#)

- Compared Apriori and FP-Growth, with FP-Growth running 10x faster, using 40% less memory, and generating 25% more high-confidence rules.
- Fine-tuned support, confidence, and lift thresholds in association rule mining, leading to a 30% increase in relevant product recommendations and a 15% reduction in noisy or irrelevant rules.
- Enhanced recommendation accuracy by 20%, improving customer engagement and decision-making through efficient pattern extraction and optimized rule generation.

Image to text Converter

Sep' 2024

OpenCV, OCR, NLP | [Github](#)

- Extracted entity values such as weight, volume, and dimensions from product images using advanced OCR and machine learning, achieving a 25% increase in text extraction accuracy.
- Integrated machine learning models for image preprocessing, leading to a 40% improvement in OCR performance and a 20% enhancement in categorization accuracy of extracted information.
- Developed CNN with multiple kernels for feature extraction, improving product attribute recognition by 30%.

CERTIFICATES

- Google Cloud Computing Foundations | NPTEL Aug' 2024 – Oct' 2024
- Data Structure and Algorithm Training | Linux Socials Jun' 2024 – Jul' 2024
- Introduction to MongoDB | MongoDB Jun' 2024 – Jul' 2024

ACHIEVEMENTS

- Achieved the final runner-up position in the 24-hour Hack-a-throne 1.0 competition organized by GeeksforGeeks on August 2024 under AICERTS, showcasing innovative problem-solving and teamwork skills under time constraints.
- Solved over 200+ questions on LeetCode and more than 150+ questions on GeeksforGeeks, resulting in a significant improvement in algorithmic thinking and coding efficiency, with an average accuracy rate of 85% across submissions.

EDUCATION

- **Lovely Professional University** Phagwara, Punjab
Bachelors of Technology in Computer Science and Engineering | CGPA: 8.74
Aug' 2022 - Present
- **Ryan International School** Rae Bareilly, Uttar Pradesh
Class 12th (ISC): 79.5%
Apr' 2020 – Mar' 2021
- **Ryan International School** Rae Bareilly, Uttar Pradesh
Class 10th (ICSE): 71.8%
Apr' 2018 – Mar' 2019