

Ritesh Thakur

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Education

Queen Mary University of London

Sep 2022 - Sep 2023

MSc in Artificial Intelligence(2:1)

London

- **Relevant Coursework:** Probability and Statistics,Regression and Time Series Model, Data Structures and Algorithms, Data Visualisation ,Machine Learning, Deep Learning, Computer Vision, Robotics

Skills

Programming : Python, CSS, C, C++, HTML, TensorFlow, AI Tools

Software Proficiency: Expert in Microsoft Office Suite (Excel, PowerPoint, Word).

Analytics:: Proficient in SQL, Power BI, Tableau, Matplotlib.

Projects

Image Classification using Vision Transformer | Queen Mary University of London

April 2023- Sept 2023

- Implemented a Vision Transformer (ViT) architecture using TensorFlow, which resulted in achieving a 60% validation accuracy on a complex flower dataset. This project showcased the effectiveness of ViTs in handling image classification tasks typically dominated by convolutional Neural Networks.
- Classified 5000+ flower images into 5 categories, demonstrating the potential of ViTs as an alternative to CNNs for computer vision tasks. This demonstrated the robust capabilities of Vision Transformers in performing high-accuracy classifications, indicating their potential as a viable alternative to traditional CNN approaches for various computer vision tasks.
- Improved the training efficiency of the model by 20% through meticulous hyper-parameter optimization and the application of data augmentation techniques. This optimization process ensured faster convergence and more accurate results, proving critical for handling large and complex datasets.

E-commerce website | SM Shetty Degree college

Jan 2022 – May 2022

- Developed a robust e-commerce website backend using PHP and MySQL, capable of storing and retrieving data for 1,000+ products, user accounts, and orders.
- Created a sleek and responsive front-end design with HTML, CSS, JavaScript, and Bootstrap, enhancing user experience and increasing site engagement by 30%.
- Application of XAMPP to streamline local development, reducing setup time by 50% and improving development efficiency. Implemented a secure user registration and login mechanism, storing 500+ usernames and hashed passwords, ensuring data security and integrity.

Experience

DHL Global Services (India) LLP

Jan 2019 – Aug 2019

Senior Associate

Mumbai

- Developed a Python-based tool to scrutinize 500+ import documents, ensuring compliance with import regulations. Reduced process turnaround time by 50% and minimized manual errors by automating discrepancy identification.
- Utilized advanced Excel functions and VBA (Visual Basic for Applications) to create automated workflows for document reviews and cross-checks. Setting up automated data validation and error-checking mechanisms.
- Designed automated Excel dashboards with dynamic data connections, improving internal communication and tracking, boosting efficiency by 30%. By developing Excel templates with embedded formulas and conditional formatting, I conducted thorough reviews and cross-checks. This streamlined process reduced document processing time by 40%, eliminating delays and ensuring timely delivery of goods.

Shraddha Shipping & logistics

Jan 2015 – Dec 2018

Process Associate

Mumbai

- Developed interactive dashboards using Power BI to visualize key supply chain metrics, improving decision-making speed by 30% and enhancing data transparency across departments.
- Automated data processing workflows with Python, reducing data preparation time by 40%, and enabled real-time analysis of inventory levels, demand forecasts, and supplier performance.
- Conducted in-depth data analysis to identify trends and anomalies in supply chain operations, leading to a 15% reduction in costs through optimized inventory management strategies.