



Vaibhav Parihar

Machine Learning Engineer

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| Profiles |  Vaibhav Parihar |  vaibhavparihar |
| Summary | <p>Skilled Machine Learning Engineer and Data Scientist with experience in predictive modeling, AI solutions, and deep learning architectures. Proficient in Python, TensorFlow, and Scikit-learn, with projects in diabetic retinopathy detection, brain lesion analysis, and product price optimization. Strong in data preprocessing, feature engineering, and presenting insights. Currently pursuing an MSc in AI at the University of Manchester.</p> | |
| Experience | CodeClause | Aug 2023 - Sep 2023 |
| | Data Science Intern | |
| | <ul style="list-style-type: none">Worked as data Scientist to develop probabilistic predictive models for numerous projects.One of my projects dealt with market basket analysis using apriori algorithm.Ensured high-quality data labeling using statistics with >98% accuracy during model training.Worked on product price recommendation to online sellers by analysing dataset and referencing a appropriate predicted price for a specific product. | |
| | InternPe | Sep 2023 - Oct 2023 |
| Projects | Artificial Intelligence Intern | |
| | <ul style="list-style-type: none">Developed statistical models projects under this internshipWorked closely on machine learning projects namely Probabilistic Predictive Analysis of diabetes and laptop price prediction based on insights gained the datasetDocumented coding workflows and presented technical findings to cross-functional teams. | |
| | Classification of Diabetic Retinopathy Severity Using Deep Neural Networks | |
| | Tools : Python , TensorFlow , Deep Learning , Neural Network | |
| | Built a deep learning system to classify the severity of Diabetic Retinopathy from retinal images, focusing on early detection to assist in preventing blindness. This automated solution utilized over 5,500 images, improving diagnostic efficiency and contributing to the integration of AI in clinical diagnostics. | |
| | Advanced Neural Network Architecture For Brain Lesion Detection | |
| | Tools : OpenCV , Keras , Pandas | |
| | Designed and implemented a brain tumor detection system leveraging deep learning models such as VGG16, InceptionV3, and Xception. Conducted a comparative analysis of model performance in terms of accuracy and efficiency. Gained expertise in neural networks, medical imaging processing, and model optimization. | |
| | Product Price Optimization Using Machine Learning | |
| | Tools : Scikit-learn , Numpy , Seaborn | |
| | Developed a product price recommendation system leveraging machine learning models such as Linear Regression, Random Forest, and Ridge Regression. Implemented data preprocessing, feature engineering, and model evaluation to predict optimal product prices. Demonstrated skills in data analysis, predictive modeling, and performance optimization. | |

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| Education | University of Manchester | | Sep 2024 - Present |
| | Msc : Advanced Computer Science (Artificial Intelligence) | | Masters |
| | SRM Institute of Science and Technology | | Sep 2020 - Aug 2024 |
| | B.Tech : Computer Science Graduated with First-Class Honours | | Bachelors |
| Certifications | AI For Everyone | | Data Analytics and Visualization Virtual Experience |
| | DeepLearning.AI | | Accenture |
| | Problem Solving | | SQL |
| | HackerRank | | HackerRank |
| Skills | Machine Learning | | Data Science |
| | SQL | | Data Mining |
| | Neural Networks | | Reinforcement Learning |
| | Convolutional Neural Networks | | Artificial Intelligence |
| | HTML5 | | CSS3 |
| | JavaScript | | Data Modelling |
| | C++ | | Probability |
| | Statistics | | |
| Languages | English | | Hindi |
| | Fluent | | Native |