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Mohammed Moosa Jabeer

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EDUCATION

ST ALOYSIUS (AIMIT)
MCA
june 2022 | Mangalore University
Mangalore, Karnataka, India
CGPA: 7.75

SHREE DEVI COLLEGE
BCA
May 2020 | Mangalore University
Mangalore, Karnataka, India
percentage: 62%

PORTFOLIO

Click Here

SKILLS

PROGRAMMING
• Python • C • C++

ENVIRONMENT
• Linux • Windows

COMPUTER VISION
• Object Detection
• Object Localization
• Semantic Segmentation
• Image Classification
• Facial Recognition
• Instant Segmentation
• Facial Land marking
• SSD
• Yolo

DEEP LEARNING
• Artificial Neural Network
• Convolution Neural Network
• Long Short Term Memory
• Generative Adversarial Network
• Auto-encoder
• TensorFlow
• Keras
• Time Series Forecast
• Regression
• Classification
• Clustering
• Supervised
• Unsupervised
• Reinforcement learning

OPTIMIZATION
• ONNX • OpenVino

SUMMARY

As a Deep Learning Engineer, I am passionate about developing and implementing cutting-edge algorithms and models using advanced machine learning and deep learning techniques. With a strong understanding of neural networks, computer vision, and signal processing, I excel in solving complex problems and optimizing model performance. Collaborative and results-driven, I am constantly expanding my knowledgeandskillsettostayup-to-datewiththelatestadvancementsinthefieldofAI.With my expertise and experience, I am committed to making a meaningful contribution to any organization looking to create innovative and effective solutions using artificial intelligence.

EXPERIENCE

ST ALOYSIUS | Deep Learning Engineer
Feb 2022 - Present | Mangalore, India

- Gathering and integrating data from various sources to create a comprehensive dataset for analysis.
- Cleaning and transforming raw data to ensure accuracy and completeness, and preparing the data for analysis.
- Conducting statistical analyses and using data visualization tools to identify patterns, trends, and relationships in the data.
- Developing predictive models and algorithms using statistical and machine learning techniques.
- Implementing models in production environments and monitoring their performance.
- Assist in grant proposal development and submission.
- Communicating findings and insights to stakeholders using data visualization tools and reports.
- Contribute to the development of research hypotheses and study designs.
- Maintaining ethical standards.

FREELANCER |Machine Learning model engineer
Sep 2020 - Jan 2022 | Mangalore, India

- Work closely with cross-functional teams, including data scientists, software developers, and domain experts, to develop and deploy deep learning models that meet business requirements.
- Collect, clean, and preprocess data to ensure its suitability for deep learning models.
- Train and fine-tune deep learning models using popular frameworks, such as TensorFlow, Keras, and PyTorch.
- Evaluate and optimize model performance using various metrics, such as accuracy, precision, recall, and F1 score.
- Communicate effectively with stakeholders to explain model behavior, limitations, and recommendations for improvement.
- Stay up-to-date with the latest research and trends in deep learning and artificial intelligence and apply them to real-world problems.

PROJECTS

AN ARTIFICIAL INTELLIGENCE-BASED SYSTEM TO DETECT NEONATAL HYPOXIC-ISCHEMIC ENCEPHALOPATHY FROM AN MRI IMAGE. | Deep Learning Engineer
Ongoing | Fr Muller medical collage, India

MACHINE LEARNING
• Linear • Polynomial •Support Vector Regression • Decision Tree • Random Forest •Logistic • K-NN •SVM • Kernel SVM • Naive Base • K-mean • PCA • LDA

MATHEMATICS
• Algebra • Statistics • Probability

DATABASE
• MySQL • Mango-DB

WEB DEVELOPMENT
• Streamlit • Fast API • HTML • CSS

OTHERS
• Teaching • Presentation • Problem solving • Self driven • Curiosity • Analytical • Communication • Learning • Quick learner

ACHIEVEMENTS
• Developing and implementing a predictive model that significantly improved a key business metric, such as revenue or customer satisfaction.
•Leading a team that successfully completed a complex data analysis project, resulting in new insights and actionable recommendations for the organization.
•Contributed to securing research grants totaling over $40,000 through preparation of grant proposals and presentations to funding agencies.
•Mentored other researchers as well as students.
•Receiving recognition or awards for outstanding work in data analysis or related fields.
•Building and deploying a custom data visualization tool that improved data accessibility and understanding for stakeholders across the organization.
•Publishing research or presenting at conferences on innovative data analysis techniques or applications.
•Resource Person, Workshop on Developing Innovation Solution in Healthcare using Artificial Intelligence.

REFERENCE
Dr. Ruban S
HOD of Msc IT (AIMIT) St.Aloysius
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DECLARATION
I declare that the information provided in this resume is true and accurate to the best of my knowledge.

(Mohammed Moosa Jabeer)

- Neonatal hypoxic-ischemic encephalopathy (HIE) is a devastating condition that may result in death or severe neurologic deficits in children. We created a deep learning model with which it will be possible to detect HIE from the MRI image. Early detection and diagnosis of HIE can lead to timely interventions to prevent or reduce brain damage and improve long-term outcomes.
- The system uses deep learning algorithms to analyze MRI images and accurately identify the extent and severity of brain damage caused by HIE

PERMANENT INFERIOR ALVEOLAR NERVE MARKING AND MANDIBULAR CANAL DETECTION WITH AI. | Deep Learning Engineer
March 2023 | Kasturba medical collage, India

- During dental implant procedures or surgeries involving the mandible, it is important to know the accurate position of the IAN nerve to avoid nerve damage. If the IAN nerve is damaged during implant placement or surgery, it can result in a variety of complications, including altered sensation, pain, numbness, tingling, or even a complete loss of sensation. The complications can be temporary or permanent and may require additional procedures to correct them.
- The system uses deep learning algorithms to analyse CB-CT scans and accurately mark the IAN and detect the mandibular canal.

FORECASTING HYPERTENSION PATIENT VALUES BASED ON DRUG CONSUMPTION | Deep Learning Engineer
Jul 2022 | Fr Muller medical collage, India

- The outcome of this project will be a reliable and accurate time series forecasting model that can predict the hypertension values of patients based on the particular drug they consume. This model has the potential to assist healthcare professionals in prescribing the appropriate medication to patients with hypertension, and in turn, improve patient outcomes and reduce healthcare costs.

BI-RADS SCORE DETECTION FROM MAMMOGRAMS USING DEEP LEARNING: AN AUTOMATED APPROACH. | Freelancer
Dec 2021 | Hi-land hospital, India

- BI-RADS stands for Breast Imaging Reporting and Data System, which is a standardized system used by radiologists to describe and classify abnormalities seen on mammograms.The BI-RADS score is a numerical score that ranges from 0 to 6, and is used to categorize mammogram findings. The score reflects the degree of suspicion of malignancy, with higher scores indicating a higher likelihood of cancer.
- Builded a deep learning model uses convolutional neural networks (CNNs) to analyze mammogram images and automatically classify them into the appropriate BI-RADS score category.The system has several potential benefits, including accuracy, speed, consistency, and objectivity.

ACCURATE AND RAPID PARASITE DETECTION WITH DEEP LEARNING. | Freelance
Jun 2021 | Manipal Hospital, India

- The proposed system will be built using deep learning algorithms, which will be trained on a large dataset of malaria-infected blood samples. The system will be capable of accurately detecting malaria parasites in blood samples, enabling rapid and accurate diagnosis of malaria. The deep learning model will be optimized to reduce false positives and improve accuracy, ensuring that the system only detects malaria parasites and not other types of blood cells.

DEEP LEARNING-BASED MOTION DETECTION SYSTEM. | Freelance
Jan 2021 | PU Engneering , India

- Deep Learning-based Motion Detection System is a cutting-edge project that aims to enhance the security of indoor spaces by leveraging the power of artificial intelligence and deep learning. The project involves the development of a sophisticated motion detection system that can accurately identify any movement within a room and trigger an alarm or alert.