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JOB DESCRIPTION | Machine Learning Engineer

Quidich Innovation Labs is a global company headquartered in Mumbai, India that pioneers in customized technology solutions for Sports Broadcast. From the outset, we have believed in the power of the story that sport tells as a tool to bring people together; and that this story best reaches fans, through the way it is broadcast. Building on this thinking, we have created various technology tools over the past five years and deployed them at tournaments such as the Indian Premier League, ICC Men's T20 World Cup, ICC Women's World Cup, and Men's FIH Hockey World Cup, to name a few.

Role
As a Machine Learning Engineer focused at Quidich, you will embark on an exciting journey in the world of sports technology and play a vital role in assisting the technology team to work on global projects. As a Machine Learning Engineer, you will play a multifaceted role within the tech landscape, encompassing various responsibilities crucial for the development and deployment of effective machine learning solutions. At the core, the role also includes the development of algorithms, and crafting and refining machine learning algorithms tailored to specific tasks.

Responsibilities
- **Algorithm Development:** Designing, implementing, and optimizing machine learning models and algorithms for a variety of computer vision applications. Stay at the forefront of research in machine learning and computer vision to incorporate the latest advancements into our projects.

- **Data Preparation and Analysis:** Working with large datasets, ensuring data quality and relevance for training and evaluation. Conduct exploratory data analysis to gain insights and inform modeling decisions.

- **Model Training and Evaluation:** Training, fine-tuning, and validating machine learning models using state-of-the-art frameworks. Collaborating with cross-functional teams to evaluate and improve model performance.

- **Deployment and Integration:** Implementing models in production environments, and collaborating with software engineers for seamless integration. Optimizing models for real-time and resource-efficient inference.

- **Collaboration and Communication:** Working closely with computer vision engineers, software developers, and domain experts to understand project requirements and constraints. Effectively communicate technical concepts and findings to both technical and non-technical stakeholders.

- **Research and Innovation:** Staying informed about the latest research in machine learning, computer vision, and related fields. Propose and implement innovative solutions to address challenges in computer vision applications.

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- **Documentation:** Creating clear and comprehensive documentation for models, algorithms, and implementations. Providing detailed instructions for model usage, maintenance, and troubleshooting.

Required Skills and Competencies

- Must have 5 years of total experience with 4 years in ML and NLP.
- Master's or Ph.D. in Computer Science, Machine Learning, or a related field.
- Must have AI/ML, NLP, Python, C++, OpenCV, Dlib, and Computer Vision applications.
- Proven experience in developing and implementing machine learning models, particularly in the field of computer vision with Yolo models.
- Strong proficiency in machine learning frameworks such as TensorFlow or PyTorch.
- Solid programming skills in languages like Python and/or C++.
- Experience with deep learning techniques for image and video analysis.
- Familiarity with computer vision libraries and tools (OpenCV, Dlib, etc.).
- Experience with GPU programming for accelerated model training and inference.
- Knowledge of cloud platforms and services for model deployment.
- Understanding of domain-specific challenges in industries such as automotive, or robotics.

Location: Mumbai
Reporting To: Head of Product
Joining Date: Immediate to 30 Days

Interested candidates, please send your CV to careers@quidich.com

www.quidich.com