About iQube:

iQube is one of the key innovation centers in Kumaraguru institutions, instigated in 2013 with an aim to inculcate the culture of exploring and experiencing technologies in real-time. iQube is an innovation Centre for every tech enthusiast who aims to bring out the explorer and maker within. It further helps tech enthusiasts to convert their innovative ideas into commercially viable or technically challenging prototypes. It also provides guidance and mentorship in finding a path to achieve what one always dreamt of. This eminent platform has 40+ yearly members, exhibits 10+ yearly projects, has gained 30+ prestigious recognitions for its projects and people, has educated 1000+ people, and has got strong student Alumni mentor support.

Role: AI Developer

Job Description: We are seeking an AI Developer to join our innovation team at iQube. As an AI Developer, you will be responsible for researching, designing, and implementing machine learning models and AI-driven solutions. You will work on projects that push the boundaries of AI, focusing on computer vision, neural networks, and large language models (LLMs). This is a key role for someone passionate about transforming innovative ideas into impactful AI-driven applications and prototypes.

Day-to-Day Workflow:

- Research, design, and develop machine learning models and AI algorithms.
- Implement and optimize computer vision models for real-time processing.
- Work with deep learning architectures, including convolutional and recurrent neural networks.
- Collaborate with cross-functional teams to integrate AI solutions into ongoing projects.
- Fine-tune machine learning models for performance and accuracy.
- Test and validate AI models, ensuring their robustness across real-world scenarios.
- Document and share your work in a clear and concise manner, maintaining code documentation and version control.
- Stay up-to-date with the latest trends in AI, machine learning, and computer vision technologies.
- Participate in brainstorming sessions for future AI applications and innovations.
- Troubleshoot and resolve issues related to AI models and systems.

Person Profile Requirements:

- Strong foundational knowledge of machine learning algorithms (e.g., classification, regression, clustering).
- Deep knowledge of computer vision techniques (e.g., image classification, object detection, segmentation).
- Hands-on experience with neural networks, including CNNs, RNNs, and GANs.
- Knowledge of large language models (LLMs) and NLP techniques.

- Proficiency in programming languages such as Python, and frameworks like TensorFlow, Keras, and PyTorch.
- Familiarity with cloud platforms (e.g., AWS, Azure, Google Cloud) for deploying AI models.
- Strong problem-solving and analytical skills.
- Ability to collaborate effectively with other teams and communicate technical concepts clearly.
- Familiarity with Agile methodologies and CI/CD for AI projects is a plus.
- Excellent organizational and time-management skills.