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 : Product Manager

Job Description: Our expanding innovation lab is seeking to hire a Product Manager to join our leadership team. You will be in charge of providing inspired leadership for the operation of one of our organization's lines of business, which involves making important policy and strategic decisions, as well as the development and implementation of operational policies and procedures.In order to aid the management and to support the already existing managerial head of the forum, iQube is in need of a full time managerial person.

Person Profile Requirements:
- Excellent communication & interpersonal skills
- Good IT skills like Microsoft Office and Google services
- Presentation skills
- Experience in management, operations, and ability to build consensus and relationships among managers, partners and employees, leadership.
- Ability to prioritize and plan effectively
- Awareness of different media agendas
- Creativity
- Leadership ability
- Outstanding organizational skills

Day to day workflow:
- Documenting the ongoing processes in the forum.
- Implementing the strategized ideas.
- Oversight of day-to-day operations.
- Presentations to fellow executive team members,the board of directors and the media.
- Creating and managing the forum's operating and capital budget and expenses.
- Coordinating with the lead in managing the forum.
- Identify and address problems and opportunities for the company.
- Work with the board of directors to determine values and mission, and plan for short and long-term goals.

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Role : Software developer - Full Stack

Job Description:
We are looking for a software engineer to join our team in developing a new generation of software products.Skilled software engineer who, along with our excellent software development team, will be responsible for working on projects that are currently being developed by us. Duties will include but are not limited to developing and directing software system validation and testing methods, as well as directing our software programming initiatives. You will also be working closely with clients and cross-functional departments to communicate project statuses and proposals.

Day to day workflow:
- Directing our software programming initiatives.
- Building projects based on the requirements from lead/Industry.
- Working closely with clients and cross-functional departments to communicate project statuses and proposals.
- Design, build, test, and deploy software applications and features
- Carry software products through the software development life cycle (SDLC)
- Write clean, concise, and efficient code
- Manage code documentation and version control
- Work in an agile environment to release software on a regular schedule
- Troubleshoot and debug software
- Work with business analysts to define software requirements
- Participate in on-call rotation to respond to production issues

Person Profile Requirements:

- Ability to develop software in Python, React, Node, Django or other programming languages
- Excellent knowledge of relational databases and SQL.
- Ability to document requirements and specifications.
- Expertise on working across a complete development lifecycle.
- Aware of Agile methods, CI/CD, testing frameworks etc.
- Experience in developing web applications using at least one popular web framework Experience with test-driven development.

- Proficiency in software engineering tools.
- Back-end development expertise.
- Familiarity with cloud platforms (e.g., AWS, Azure, Google Cloud).
- Strong problem-solving and communication skills.

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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.