



## **BioQube Matrics Private Limited**

**Title- VP-AI**

**Experience- 8+ years**

**Location - Noida**

### **About Us:**

Unified Digital Identity platform with multi-vertical products & solutions Elevating Security in a New Era" - Bioqube, the World's First, Patented WEB 3.0 enablement ready, AI-powered multi-factor, Multimodal, Decentralized Biometric Identity & Live Data Analytics Platform.

Bioqube offers a cutting-edge Unified Digital Identity platform, featuring multi-vertical products and solutions designed to elevate security to new heights. Our Agile AI-powered platform sets the standard for multi-factor, multimodal, and decentralized biometric identity verification, coupled with live data analytics capabilities.

What sets Bioqube apart is its adaptability and versatility. Seamlessly compatible with a wide range of devices including smartphones, tablets, CCTV, IP cameras, laptops, and desktops, Bioqube ensures a seamless integration into any technological environment. Best of all, it operates without the need for specialized hardware, providing a flexible and accessible solution for diverse industries and applications. From immigration and border security to banking, travel, education, and beyond, Bioqube's unique product architecture and advanced technology competencies make it the perfect choice for a multitude of use cases across various industries. Experience the future of identity verification with Bioqube!

For more details visit our website: [www.bioqube.ai](http://www.bioqube.ai)

### **Job Summary:**

We are seeking a highly skilled and experienced in AI specializing in machine learning, computer vision with a focus on image processing, pattern recognition, video analytics & biometric matching (face, voice etc.). As per the role, you will play a pivotal role in guiding the innovation and development of AI and computer vision- based biometric modules. The ideal candidate will have extensive hands-on experience in creating and deploying machine learning models in large-scale scenarios, with a strong focus on object detection, computer vision, and deep learning model architectures & frameworks, ML Ops & orchestration.

### **Key Responsibilities**

**ML Model Development:** Lead the design, development, and deployment of machine learning models, specifically in the context of biometric identity verification.

**Innovation and Research:** Stay abreast of the latest advancements in AI and computer vision technologies. Drive innovation by exploring and implementing state-of-the-art solutions in the



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realm of biometrics.

**Solution Design & Deployment:** Lead the design and architecture of AI solutions, ensuring alignment with business objectives. Collaborate with cross-functional teams to create robust, accurate & scalable solutions for image and video analytics, data analytics, large scale biometric matching processing.

**Guidance and Mentorship:** Provide technical leadership to the data science team, offering guidance and mentorship to ensure the highest standards of performance and continuous skill development. Effectively delegate tasks to junior team members, providing guidance and mentorship. Foster a collaborative team environment and ensure the timely delivery of high-quality solutions.

**Collaboration:** Work closely with other departments, such as software engineering and product management, to integrate machine learning solutions seamlessly into our products and services.

**Communication:** Clearly communicate complex technical concepts to both technical and non-technical stakeholders. Collaborate with other departments to gather requirements and provide insights.

### **Qualifications**

#### **1. Biometric & Identity Domain Expertise (Must):**

- Demonstrate a strong understanding of face, voice, liveness, contactless biometrics, and stay abreast of the latest advancements in the field.
- Leverage expertise to develop innovative and effective solutions for biometric applications.
- Project experiences and hands on experience is must to have.

#### **2. Computer Vision and Deep Learning:**

- Proven experience (at least 8 years) in designing, developing, and deploying machine learning & deep learning models, with a focus on large-scale implementations.
- Possess in-depth knowledge and hands-on experience in object detection, computer vision, and deep learning techniques.
- In depth knowledge of YOLO, CNN, their architectures and significance.
- Design, implement, and optimise (existing/new) advanced algorithms for image and video analysis.

#### **3. Work Experience:**

- Showcase a proven track record of successful projects in the biometrics and computer vision, image processing, and video analytics domains.
- Provide examples of implementing machine learning models and solutions in real-world applications.



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- Experience in video analytics and big data analytics is required.
- Scaling, Performance, and ensuring High-Availability & Quality of the products.
- Driving code reviews, design reviews, and architecture discussions.

#### **4. Coding Proficiency:**

- Exhibit strong coding skills in languages such as Python, and proficiency in utilizing machine learning libraries and frameworks TensorFlow, PyTorch, or similar.
- Having knowledge of REST APIs and frameworks like FastAPI/Flask.
- Good knowledge in CI/CD pipelines, MLOps & AIOps implementations using Airflow, Docker.
- Actively participate in coding tasks & guide team members in implementing algorithms & models.

5. Excellent problem-solving skills and the ability to think critically about complex technical challenges.

6. Strong communication skills and the ability to convey complex technical concepts to both technical and non- technical stakeholders.

7. Proven leadership and mentorship experience.

#### **Education**

Master's or Ph.D. in Computer Science, Machine Learning, or a related field.

#### **Why Join Us?**

- Work on cutting-edge technologies and impactful projects in a fast-growing startup.
- Collaborative and flexible work environment.
- Opportunity to take ownership of your work and make a real impact.
- Competitive salary and benefits package.

#### **How to Apply:**

Interested candidates can submit their resume and a cover letter outlining their relevant experience and why they are a great fit for this role to [hr@bioqube.ai](mailto:hr@bioqube.ai)