# BioQube Matrics Private Limited

Job Title: Data Scientist

Experience- 6+ years

Location- Noida

About Bioqube:

Bioqube is a leading innovator in biometrics and Identity Platforms, dedicated to leveraging cutting-edge AI technologies to drive business growth and enhance operational efficiency. We are seeking a talented AI Software Developer to join our dynamic team and contribute to the development of innovative AI solutions that will shape the future.

For more details visit our website: www.bioqube.ai

Job Description:

We are actively seeking a talented and experienced Data Scientist to join our dynamic team. The ideal candidate will have a strong foundation in data science, computer vision, statistical analysis, and object detection, with a focus on developing impactful solutions for complex business problems.

Responsibilities:

1.  **Data Analysis and Modeling:**
    - Utilize advanced statistical methods and deep learning/machine learning techniques to analyse large datasets and extract valuable insights.
    - Develop predictive models and algorithms to support business decision- making.
2.  **Domain Expertise:**
    - Demonstrate expertise in the Biometrics domain or similar industry, understanding the nuances of data and business requirements.
    - Apply data science techniques to address specific challenges within the domain.
3.  **Feature Engineering and Data Preprocessing:**
    - Conduct effective feature engineering and data preprocessing to ensure high- quality input for machine learning models
    - Good Knowledge of object detection and computer vision is required.
    - Work with real-world data to derive meaningful features for analysis.
4.  **Coding Proficiency:**
    - Exhibit strong programming skills in languages such as Python, R, or similar.
    - Should have working knowledge of developing REST API's and frameworks like Flask/FastAPI.
    - Implement and deploy machine learning models, and contribute to codebase maintenance.
    - Must have knowledge of deep learning model training, evaluation

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and understanding of model inferencing.

     **5. Collaboration:**

- Collaborate with cross-functional teams to define data requirements and deliver solutions that meet business objectives.
- Communicate findings and insights to both technical and non-technical stakeholders.

**6. Model Evaluation and Optimization:**
- Evaluate model performance using appropriate metrics and iterate models for continuous improvement.
- Optimise/quantize models for scalability and efficiency in real-world applications eg. edge devices.

**7. Cloud and Big Data Technologies:**
- Familiarity with cloud platforms (AWS, Azure, Google Cloud) and big data technologies for efficient data processing and analysis.

**8. Version Control:**
  a. Utilize version control systems (e.g., Git/Gitlab) to manage and track changes in code and models.

Qualifications:

- Bachelors/Master's or Ph.D. in a relevant quantitative field such as Computer Science, Statistics, or Data Science.
- **Overall 3+ years of industry work experience in computer vision, object detection, pattern recognition, artificial intelligence, automation, and/or vision processing.**
- **3+ years of relevant experience as a CV Engineer, Data Scientist, Machine Learning Engineer, or related role.**
- Experience with common languages (e.g., Python, SQL) and tools (e.g., TensorFlow, PyTorch, distributed training / inference) on premise or cloud.
- Knowledge of CUDA, OpenCV, Model Training on multiple GPUs.
- Proficient in at least one of: PyTorch (Preferable), TensorFlow and Keras
- Coding experience in programming Languages: Python (must), C++
- Knowledge of text detection & OCR, human / face detection, generative models, video analytics, model compression / optimization.
- Very good understanding and knowledge of Statistical and ML/DL Concepts:
  - Statistics
  - Computer Vision
  - Regression/ Classification and Unsupervised Approaches
  - Model Training, Deployment and Evaluation
  - Ensemble approaches
  - Evaluation techniques
- Familiarity with various operating systems (e.g. Windows, UNIX) and databases (e.g. MySQL,NoSQL)
- Good team player and excellent written and verbal technical communication skills
- Experience with cloud platforms(AWS,GCP,Azure) and big data technologies is a plus.

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- Experience with Docker, Kubernetes, Airflow/MLFlow is good to have.

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