

Hiring Requirement

AI/ML Developer

Position: AI/ML Developer

Type: Full-time (after 3-month internship/probation)

Stipend for Internship/Probation Period: ₹30,000 per month

CTC Post-Internship: ₹7,20,000 per annum

Joining Date: 10th November

Location: Remote

Experience Required: 2+ Years

About StackWalls:

StackWalls is a next-generation freelancing marketplace designed to bridge the gap between clients and highly skilled, hand-vetted freelancers. We provide businesses with access to a curated pool of top-tier talent across a wide spectrum of industries, ensuring that every project benefits from expertise, precision, and commitment.

What sets StackWalls apart is our rigorous vetting process, which guarantees that only the most reliable and talented professionals join our platform. We focus on delivering high-quality outcomes by matching clients with freelancers based on their specific needs, industry expertise, and project requirements. This ensures that projects are not only completed on time but also exceed expectations in terms of quality and innovation.

Beyond just a freelancing platform, StackWalls is building a thriving community centered around long-term growth and collaboration. We are dedicated to fostering relationships that enable businesses to scale, freelancers to grow their careers, and startups to access the talent they need to thrive. Our platform offers personalized support, a project management framework, and a range of services tailored to both short-term tasks and ongoing partnerships.

At StackWalls, we're more than just a marketplace—we're building an ecosystem where talent meets opportunity, enabling freelancers and businesses alike to achieve their full potential.

About the Role:

- We are seeking a highly skilled AI Developer to lead the design and development of our AI-powered matchmaking algorithm. You will initially be responsible for creating the MVP algorithm that aligns client requirements with top freelancer profiles, using advanced machine learning (ML) models and data analysis. Post-MVP, your role will focus on continuous improvement—enhancing algorithmic performance and integrating new features as StackWalls evolves.
- This is a pivotal role for the company's technical development, and we're looking for someone capable of designing efficient, scalable solutions while also contributing to long-term product innovation.

Key Responsibilities:

- **MVP Development:** Architect, develop, and implement the initial AI-driven matchmaking algorithm that ranks and recommends freelancers based on client needs. This will involve:
 - Defining features and criteria for matching (e.g., skill sets, experience, availability).
 - Leveraging supervised/unsupervised learning models for accurate profile matching.
 - Creating a recommendation system using collaborative filtering, content-based filtering, or hybrid models.
- **Algorithm Optimization:** Post-MVP, focus on enhancing the algorithm's efficiency and performance by fine-tuning hyperparameters, improving training data, and leveraging feature engineering techniques.
- **Machine Learning Models:** Develop, train, and deploy scalable ML models to analyze data and predict freelancer-client compatibility using historical data, real-time feedback, and performance metrics.
- **Data Pipeline Management:** Design and maintain robust data pipelines that preprocess, clean, and structure data to ensure model accuracy and scalability. Experience with cloud platforms (AWS/GCP/Azure) for data handling is a plus.
- **Performance Monitoring and Retraining:** Regularly assess model performance (e.g., precision, recall, F1 score) using A/B testing, and refine models to reduce error rates and improve recommendation relevance.
- **Collaboration:** Work closely with backend developers to integrate the algorithm into the existing tech stack (MERN) and collaborate with product managers to align technical features with business goals.
- **Scalability and Optimization:** Design the system to handle increasing volumes of data as StackWalls grows. This includes improving response times and ensuring the solution scales seamlessly with the platform's growth.
- **Model Explainability:** Implement tools and frameworks to explain model predictions, ensuring transparency and accountability, especially when making critical freelancer recommendations.

Technical Skills and Qualifications:

- **AI/ML Expertise:** 3+ years of hands-on experience in building machine learning models, particularly focused on recommendation systems, matchmaking, or predictive analytics. Familiarity with both supervised and unsupervised learning techniques.
- **Programming Languages:** Proficient in Python and experience working with AI/ML libraries and frameworks like TensorFlow, PyTorch, scikit-learn, XGBoost, Keras, etc.
- **Algorithm Development:** Deep understanding of algorithm design, including knowledge of matching algorithms (e.g., bipartite matching, k-means clustering, decision trees, etc.) and recommendation systems.
- **Data Engineering:** Experience building and optimizing data pipelines for feature extraction and selection. Proficiency in SQL, NoSQL, or distributed databases (MongoDB, etc.) is a plus.
- **Cloud Services:** Familiarity with cloud-based solutions for ML deployment, such as AWS SageMaker, Google AI Platform, or Azure ML.
- **Version Control:** Proficient with Git, Docker, and CI/CD pipelines for model deployment and updates.
- **Model Deployment:** Experience deploying ML models into production environments, with a focus on scalability, low-latency, and model monitoring.
- **API Integration:** Ability to build APIs that connect models with frontend and backend systems in a MERN stack environment.
- **Data Science Tools:** Expertise in data processing tools such as Pandas, NumPy, and Matplotlib for analysis and visualization of training datasets.
- **AI Ethics & Explainability:** Understanding of model fairness, bias mitigation, and implementing explainable AI techniques.

What We Offer:

- **3-Month Internship/Probation Period:** During this time, you will receive a stipend of ₹30,000 per month, work full-time on developing the MVP, and get familiar with the team and platform.
- **Full-Time Role:** After the probation period, you will transition into a full-time role with a CTC of ₹7.2 LPA and a 12% annual increment.
- **Career Growth:** Opportunity to be part of a core team and work on innovative AI applications in the freelancing industry. You'll have the chance to shape the future of the platform.
- **Flexible Work:** Fully remote role with flexible work hours, though availability during core business hours is expected.
- **Long-Term Vision:** We're looking for someone who can grow with StackWalls, continuously improving our AI capabilities and contributing to the company's success for years to come.