NRAI SEEKS DATA SCIENCE ENGINEER

Position: Sport Data Science Engineer, High Performance Program

Reports to: High Performance Director

Job Type: Full Time (1-year contract renewal towards LA 2028 Olympic Games)

Application Deadline: March 15, 2026

Term: April 1, 2026 to March 31, 2027

Location: Delhi India, KSSR Shooting Range

The mission of the NRAI is to administer and promote the sport of shooting in India, to develop programs, services and opportunities that enable members from recreational to the Olympian to reach their maximum potential.
The NRAI is responsible for the selection of athletes and for international competitions including India Shooting League, Asian Championships, Asian Games, International Sport Shooting Federation, World Championships, and the LA 2028 Olympic Games. The general vision of the NRAI is to raise the level of competitive shooting in India, to field the best teams of athletes in International competitions and be a leading nation on the podium at the Asian and Olympic Games.

Are you interested in helping INDIA be a world leader in high performance sport at the Olympic Games?
The NRAI is looking for an experienced, passionate and dedicated professional who strives for excellence every day. Are you flexible, adaptable and agile to work in a high pressure team environment to meet the data challenge for athletes, coaches and sport science professionals within the NRAI and SAI sport ecosystem? If so, come join our team of professionals who challenge National Sport Organizations (NSOs) to achieve podium results at the Asian and Olympic Games using decision-support tools, evidence-based science and data-driven results.

Scope of the Position
As a Data Engineer, you are responsible for prototyping, programming, designing, testing, and managing internal custom mobile and web applications. You will have the opportunity to work on an exciting and challenging project that will assist NRAI High Performance Program in enhancing data quality and governance, creating a data management and analytics platform, improving reporting efficiency, and overall user data experience. You will be part of NRAI's digital transformation journey with an integral role in NRAI's mission of achieving sustainable and improved podium performances at the LA 2028 Olympic Games and beyond.

You have a passion for technology, development, and user experiences. Your creative thinking and attention to detail will direct you into creating real applications that align with NRAI's data analytics strategy goals and objectives. You know the right tools, software solutions, and best practices, to create efficient front-end user-friendly applications. This is an excellent opportunity for you to gain experience and showcase your knowledge in the sports industry by contributing to NRAI's digital transformation journey.

Qualifications and Education
- Minimum of 2-5 years relevant work experience within a fast-paced and complex sport setting.
- Bachelor's degree in computer science, engineering, or a related technical field.

Roles and Responsibilities

1) Technical applications - project management:
- Manage the complete software development process from conception to deployment.
- Maintain and upgrade a robust RDBMS and the software following deployment.
- Create a clear road map for each application and work with cross functional teams to achieve desired outcomes.
- Work with real-time monitoring and agile delivery for media and televised TV day from the Shooting League of India)SLI)
- Be up to date with software development trends in Athlete Management Systems (AMS) and best practices, to provide forward-thinking recommendations towards NRAI's organizational objectives.

Core Competencies:
1) Software/Programming:
- Expertise in front-end technologies: React, Node.js, Angular, Flask, HTML, CSS, and JavaScript
- Server-side programming experience in the following languages: Java, Python, Net, and C#
- Familiarity and experience with Database Management Systems (DBMS) technology
- Solid back background in sport database management systems
- Experience in Cloud-based management systems
- Experience in using Git, Gitlab and GitHub
- Passion for prototyping user interfaces using different design software: Sketch, and Figma.

2) Nice to haves:
- Use Service-Oriented Architecture to develop applications on Microsoft platforms including Microsoft Azure PaaS Services, Microsoft Azure Services, Microsoft Azure SQL, etc.
- Knowledge of Representational State Transfer (RESTful) and Application Program Interface (API) design & development.
- Experience in Test Driven Development (TDD), Continuous Integration/ Continuous Delivery CI/CD practices, and Design Systems (e.g., Bootstrap).
- Utilize AI and ML algorithms to predict performance outcomes, assess athlete fatigue and performance readiness, and generate personalized training plans.
- Provide detailed performance analytics and predictive models to support strategic decision-making.
- Implement data science techniques to analyze and interpret sports data, uncover patterns, and generate actionable insights.

3) Communication & Interpersonal Skills:

- Strong communication skills both in written and verbal form.
- Ability to translate and tailor technical content into business applicable material with clear recommendations and insights relevant to athletes, coaches and management.
- Ability to work effectively in a group/collaborative setting or independently and get results. Ability to work on multiple projects and meet tight deadlines, and remain calm and composed in times of time pressure.
- Ability to create and maintain strong, meaningful, and lasting relationships and inspire confidence and trust with senior management and key internal and external stakeholders.

4) Project Management:

- Ability to operate effectively in the NRAI High Performance environment by extending the vision to project goals; apply established policies and procedures; understand the impact of NRAI technical projects internally and externally.
- Ability to set achievable objectives, maintain a positive outlook, take responsibility, make decisions and provide constructive feedback; analyze and define a problem, evaluate alternatives and find a solution; analyze the future impact of decisions by taking a big picture approach and strategically position projects within NRAI objectives in short and longer terms.
- Ability to understand standard project management tools and techniques to schedule, plan, track, and correct project performance.
- Build a web application hosted in a cloud environment to ensure accessibility, scalability, and reliability.
- Offer a user-friendly interface for accessing performance data, managing training plans, and interacting with the system from various devices.
- Identify performance trends and optimizes training strategies through machine learning models.

Preferred Assets/Skills:
- Understanding of high performance sports data and athlete management systems
- Ability to convert reports in real-time from a variety of sport data for the ISL
- Depth of knowledge of high performance sport at the National and International level.
- English, Hindi, etc.

Compensation:
The compensation package will be based on the successful candidate's qualifications and experience.

Application Process:
Apply in confidence by sending your cover letter and resume by March 15th, 2026 to:
indiashooting@gmail.com

We thank all applicants for their interest, however only those applicants selected for an interview will be contacted as part of the shortlisting process.