

Role: **Analyst / Associate / Senior Associate – Data and Applied Sciences**

Mode of operation: Remote first with preferred base location in India or Kenya.

### **About MicroEnergy Credits:**

MicroEnergy Credits is a social enterprise that enables greater access to clean energy for poor people around the world by tapping the carbon market to mobilise the financial markets. By helping Microfinance Institutions (MFIs) provide microloans for clean energy technologies, those in the greatest need can purchase solar lighting systems, efficient cookstoves, and water purifiers. With financing, clean energy technologies become more affordable than wood or fossil fuels based units while offering a cleaner, safer and more efficient energy source. More than 27 million people have already adopted clean energy as a result of MEC's financing program in Asia and Africa. MEC is a fast-moving, innovative team which leverages global trends and advancements in mobile platforms, mobile money, social media, and technology to streamline financial, product delivery, and after sales operations.

### **Opportunity:**

The role will require you to work with the international team of MicroEnergy Credits and provides an excellent opportunity to work on big data, process automation and analytics. You will be applying your technical and programming acumen to mine, transform and process the datasets to develop models as per the requirements. You will also analyse and process the data to be used for direct market insights, and other analytical exploration for our products portfolio. You will liaise with external engineers for backend data requirements through interdependencies and analysis of decision as well as transform data as appropriate for specific team functions or processes.

*If working with data and building models interest you, we would like to speak to you. If you have visions for technological integration and business innovations, we definitely would like to hear more.*

### **Responsibilities:**

- Requires an individual to perform intense scrubbing, cleaning, transformation and processing of large sets of partner data using advanced data tools or algorithms such as advanced regex and text-processing.
- Ability to acquire data from primary and secondary sources and maintain database and data systems to the requirements of the carbon credits programmes.
- Implement effective and secure procedures for cleaning, processing and maintenance of data.
- Developing data processing algorithms and collaborate with other developers, analysts and/ or data scientists on Git platform.
- Troubleshoot data related problems in a fast, effective and secure manner to resolve data challenges and provide clean data to other MEC team members.
- Perform intensive data check and testing to identify and maintain records of idiosyncrasies within individual datasets.
- Individual should be self-motivated to come up with customised and innovative solution for processing and reconfiguring different data sets.
- Develop a comprehensive and deep understanding of the data we work with using analytical tools and applications to broaden data accessibility and advance our proficiency/efficiency in understanding and using the data appropriately.
- Communicate findings to internal stakeholders and work with them to generate useful solutions.
- One-on-one discussion with clients and other stakeholders to give the latest update and ability to strategize and communicate data requirements with them.
- Coordinate with MEC's carbon team to customize the data for originating carbon credits.
- Act as a point of contact for partners for business related activities

- Maintain a Data log which showcases all challenges and its solutions
- Senior Associate/ Manager should be able to demonstrate capable consulting and soft skills to motivate the team and organisation towards success
- Senior Associate/ Manager should independently be able to provide technical solutions to other team members for any technical or data problems and manage analysts/ interns when required

**Required Skills set:**

- A university bachelor's degree in Statistics, Mathematics, Economics, Computer Science or Data Science and related disciplines.
- Preference will be given to candidates with 2-3 years of relevant work experience for the role of Senior Analyst. However, freshers with relevant skills are encouraged to apply for the role of Analyst.
- Experience and working knowledge for open data sources and cloud-based data processing tools and techniques.
- Experience and knowledge of project management methods and tools will be preferred.
- Ability to handle large data sets and work with management and other team members to prioritise business and information requirements
- Proficiency in one or more advanced data querying and processing languages such as Python/ Pandas (primary) and R (complimentary) with working knowledge of SQL, MongoDB and Elastic search. Candidate should have the ability to learn other languages and tools as required.
- Working knowledge of Git/ Git-Hub and version-control
- Proficiency in MS Office (Excel, Word, PowerPoint). Candidates should be able to provide error-free output files in Excel format for major part of the business requirements
- Excellent written and verbal communication skills
- Should possess a strong critical thinking ability, analytical bent of mind and exceptional problem-solving skills.

**Compensation:** Candidates will be compensated commensurate with experience and relevant skills. All work travel and expenses are covered.

**How to Apply:**

Please send CV and cover letter to Manager (Human Resources) at [ases@microenergycredits.com](mailto:ases@microenergycredits.com) with email copied to Director of Applied Sciences & Business Innovations at [prantik.mitra@microenergycredits.com](mailto:prantik.mitra@microenergycredits.com) with the subject line "Application for Analyst/ Associate – Data Sciences".

Applications will be reviewed on rolling basis until position is fulfilled.

We are an equal opportunity employer. All qualified candidates will receive consideration for employment without any discrimination or prejudice.