AI Engineer position (M/F)
Artificial intelligence and machine learning

About Us

About NIT Meghalaya

The National Institute of Technology (NIT) Meghalaya is one among the thirty one NITs in India established under the NIT Act 2007 (Amended 2012) of the Parliament of India as Institutes of National Importance with full funding support from the Ministry of Education (Shiksha Mantralaya), Government of India.

The Vision:
- A Centre of Excellence vibrant with academic activities and bubbling with youthful creative energy, making significant contributions to the World of Knowledge and Technology and to the Development of the State, the Region and the Nation.

The Mission:
- To impart quality education in the fields of Engineering, Science and Technology at Undergraduate as well as Postgraduate levels with special attention to encourage innovation and creativity in these fields in a clean and healthy environment.
- To engage in creation of knowledge and development of technologies through effective research programs.

About Ficha

Ficha is a start-up registered in France with its registered office in Grenoble. We work in the field of waste management with AI at the core of all the projects. Machine vision plays a crucial role in the detection of different classes of waste for different use cases. With three different projects undergoing, there are a lot of opportunities to contribute to the waste management process by bringing more visibility and contributing to the quantification and qualification of waste into the recyclable and non-recyclable waste.

We are a very dynamic and young team with people hailing from different countries and also from different domains of expertise. This diversity brings a large number of occasions to interact in terms of different possibilities of solutions for the solution which gives a diversified perspective of the different issues arising and discovered in the domain of waste management.

Educational Qualifications

This position is open to
- B.Tech. in CS / EC / EEE / EE or any other relevant branch of study as per the project.
- M. Tech./ME in CS/ EE/EC/EEE or the relevant branch of study as per project requirement.
- Ph.D. in related areas of research (Image Processing/Computer Vision, Machine Learning/AI)

What will you do?

The candidate is expected to dedicate his/her time in working with different AI models which are used for detection, segmentation, and characterization of different classes of waste from the projects at Ficha. The projects which mostly concentrate on improving the sorting rates and detection of sorting errors from different physical environments. Thus, the candidate will be a member of the AI and ML team and work alongside them for achieving the objectives and targets playing a vital role by participating in building and implementing R&D plans for the company. The candidate will be working mostly with the cloud services which are extensively used and should be able to interact with the servers to push or extract data to and from.

The candidate will be working within the tech team to fulfill the project demands.

Desired skills

1. Well versed and experienced in Python.
2. Acquainted with cloud services(Google Cloud), PyTorch/TensorFlow, and CollabPro.
3. Experience with image processing is a must.
4. Experience in different AI models including computer vision is a must.
5. Experience with OpenCV is a plus.
6. Experience in C++ is a plus.
7. Candidates with a PhD from the domain or with an experience of 3 years or more from the domain will be preferred.
8. A team player with autonomy in the work.
9. A candidate portraying leadership qualities will be preferred.
10. Experience with managing events/projects and teams will be considered as a plus.
11. Fluency in English is mandatory. French is a plus.

Details of work environment

- **Mode of work:** Hybrid (At the office and remote)
- **Location:** NIT Meghalaya, Bijni Complex, Laitumkhrah, Shillong-793003 (Subjected to changes)
- **Salary:** Net salary of ₹7.2 LPA. (Subjected to Negotiations)

Mode of application for the job

Important Instructions:
1. Candidate possessing the requisite qualification and experience should apply by sending the CV with experience certificate (if any) in a single PDF file send to bunil@nitm.ac.in and rituraj@ficha.fr on or before **17.02.2023, 5:00 PM** The applications received after the mentioned date will not be considered further.
2. The subject of the email should contain "Application for post of AI engineer ".
3. The short-listed candidates will be intimated for interview only through emails.
4. Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be shortlisted based on merit and need of the project. Only shortlisted candidates will be communicated to appear in the interview and no other communication in this regard will be entertained. The authority reserves the right of accepting/rejecting any or all applications without assigning any reason thereof.

For any types of queries, the candidates may communicate directly to contact via email.

Contact:
- Dr. Bunil Kumar Balabantaray, Asst. Professor, NIT Meghalaya
  - o bunil@nitm.ac.in
- Dr. Ritu Raj Shrivastwa, CTO, Ficha
  - o rituraj@ficha.fr

DevOps Developer (M/F)

Educational Qualifications

This position is open to
- B.Tech. in CS / EC / EEE / EE or any other relevant branch of study as per the project.
- M. Tech./ME in CS/ EE/EC/EEE or the relevant branch of study as per project requirement.

What will you do?

- Implementation of a CI/CD pipeline for different back-end technologies on Google Cloud.
- Migrate online databases to different engines with minimal to no downtime.
- Implement a pipeline to deploy and update AI on the Edge.
- Support the IT department to support more network traffic as the company scales out.
- Design back-end architectures and pipelines for future projects.
- Work within the IT department to cater the project needs in conjuction tk the rest of the tech team.

Desired skills

Technical:

1. Experience in Python and NodeJS is mandatory.
2. Must be familiar with Jenkins, or GitHub Actions and workflows (experience in CI/CD).
3. Must be acquainted with Google Cloud services (if not with Azure/AWS).
4. Must have hands-on experience with Docker.
5. Should be experienced in Load balancing and scaling systems.
6. Experience with Kubernetes will be considered as a plus.
7. Acquaintance in working with Notion and in SCRUM will be considered as a plus.
8. Experience in Nginx will be considered as a plus.

Soft:

1. A team player with autonomy in the work.
2. A candidate portraying leadership qualities will be preferred.
3. Experience with managing events/projects and teams will be considered as a plus.
4. The candidate must be an effective communicator.
5. Fluency in English is mandatory. French is a plus.

Details of work environment

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2. The subject of the email should contain "Application for post of DevOPs ".
3. The short-listed candidates will be intimated for interview only through emails.
4. Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be shortlisted based on merit and need of the project. Only shortlisted candidates will be communicated to appear in the interview and no other communication in this regard will be entertained. The authority reserves the right of accepting/rejecting any or all applications without assigning any reason thereof.

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