LLM Business Case Developer

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Carnegie Mellon University
in Pittsburgh, PA

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Carnegie Mellon University

LLM Business Case Developer

Carnegie Mellon University in Qatar (CMUQ) is launching a new Business Innovation Center funded by an external partner and is searching for a LLM Business Case Developer to join their team. You will contribute to the center by providing support by collaborating closely with faculty/staff to identify, design, and develop innovative LLM-based prototypes for educational and research applications.

This role requires not just technical expertise, but also a business approach, with a strong focus on finding opportunities for LLM integration and building practical solutions. The ideal candidate should have experience in developing applications, particularly with LLMs, and be able to showcase some of these projects.

This is a one-year renewable position, with continuation contingent upon performance and institutional needs, and may occasionally require supporting engagements held during the weekend.

Key Responsibilities

- Design and develop business cases and simulation using LLMs in educational and research settings, ranging from classroom engagement tools to data-driven research methodologies.
- Conduct workshops or training sessions for faculty to introduce LLM capabilities, brainstorm possible applications, and explore innovative solutions.
- Collaborate with the IT team to ensure proper integration of projects with existing school infrastructure.
- Participate and contribute to activities to support the mission of the center.

Qualifications and skills

- Bachelor's degree in computer science, data science, or a related field required. Master's preferred.
- Formal training in or experience in business.
- Experience in LLM technologies, applications, and frameworks (e.g., GPT, BERT, Transformers)
- Advanced Python programming, including NLP libraries (e.g., spaCy, NLTK)
- Proficiency in web development (e.g., Flask, Django, JavaScript)
- Machine learning fundamentals
- UI/UX design principles for prototyping
- Strong communication, analytical and problem-solving abilities.
- Excellent project management skill using Agile project management methodologies
- Familiarity with educational technology trends

Applicants should submit

- A CV with contact details for two references
- Cover Letter explaining why they are a strong fit for this position, how their background aligns with the mission of the Center, and their interest in LLM-based educational innovation.
- Links or attachments showcasing previous work with LLMs, AI applications, prototypes, or related projects (GitHub repositories, demo videos, code samples, etc.).

Applications will be reviewed on a rolling basis until the position is filled.

Joining the CMU team opens the door to an array of exceptional benefits.

Benefits eligible employees enjoy a wide array of benefits including comprehensive medical, prescription, dental, and vision insurance as well as a generous retirement savings program with employer contributions. Unlock your potential with tuition benefits, take well-deserved breaks with ample paid time off and observed holidays, and rest easy with life and accidental death and disability insurance.

Additional perks include a free Pittsburgh Regional Transit bus pass, access to our Family Concierge Team to help navigate childcare needs, fitness center access, and much more!

For a comprehensive overview of the benefits available, explore our Benefits page.

At Carnegie Mellon, we value the whole package when extending offers of employment. Beyond credentials, we evaluate the role and responsibilities, your valuable work experience, and the knowledge gained through education and training. We appreciate your unique skills and the perspective you bring. Your journey with us is about more than just a job; it's about finding the perfect fit for your professional growth and personal aspirations.

Are you interested in an exciting opportunity with an exceptional organization?! Apply today!

Location

Doha, Qatar
Job Function

Software/Applications Development/Engineering
Position Type

Staff - Regular
Full Time/Part time

Full time
Pay Basis

More Information:

- Please visit **"Why Carnegie Mellon"** to learn more about becoming part of an institution inspiring innovations that change the world.
- Click here to view a listing of employee benefits

- **Carnegie Mellon University is an Equal Opportunity Employer/Disability/Veteran**.

- **Statement of Assurance**

Carnegie Mellon University does not discriminate and Carnegie Mellon University is required not to discriminate in admission, employment, or administration of its programs or activities on the basis of race, color, national origin, sex or handicap in violation of Title VI of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973 or other federal, state, or local laws or executive orders.

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