Accenture – Responsible AI for Generative AI (RAI x GenAI)

TIN-ACC-027

About the Organisation

Accenture’s Responsible AI (RAI) team sits within the global Data and AI practice, consisting of experts from a range of academic and industry backgrounds. Over the past five years, we have assisted large organizations around the world in designing, developing, and deploying AI systems for sensitive and high-impact application domains such as HR, healthcare, and finance. Currently, our focus lies on developing technical solutions and mitigations for the risks posed by GenAI systems. This involves enhancing the accuracy, relevance, and explainability of outcomes, while concurrently reducing the risks of bias, toxicity, and harmful content. Join us in our efforts to transform leading organizations and communities worldwide. Accenture is driving these exciting changes and implementing them across 40 industries in more than 120 countries. The sheer scale of our capabilities and client engagements, coupled with our collaborative, operational, and value-driven approach, offers an unparalleled opportunity for growth and advancement.

Role Description and Responsibilities

The advances in GenAI solutions have created unprecedented opportunities for organisations and societies worldwide. The positive opportunities GenAI affords also contrast with significant risks that can arise from the inappropriate development and use of it. It is critical to understand the range of harms and risks to citizens and society from GenAI, and to develop approaches that allow GenAI technologies to be used responsibly, ethically, and lawfully. The Responsible AI group in Accenture is leading Accenture’s efforts to ensure all AI development and uses of GenAI is Responsible by design. Our goal is to ensure citizens, our clients, regulators, and practitioners can benefit from Accenture’s expertise in making being Responsible simple.

The Opportunity

We are in search of an enthusiastic advocate for responsible approaches in the design, development, and deployment of GenAI solutions. Ideal candidates should possess a strong technical background in Data and AI. In this role, you will collaborate with an elite team of data scientists, boasting years of experience in deploying AI solutions across sensitive and high-impact application domains, such as HR, life sciences and financial services. Your responsibilities will encompass researching, designing, and developing innovative solutions and countermeasures for GenAI technology risks.

Your role will involve crafting technical methodologies to enhance the accuracy, relevancy, and explainability of GenAI systems. Simultaneously, you will contribute to the design and development of technical tools and techniques to monitor, detect, and mitigate bias and toxicity in the system's outputs. The work will involve all aspects of design and development of GenAI
systems such as fine-tuning of the foundation models using domain-specific data, customizing the models using embedding and information retrieval systems, prompt engineering / analytics, and ML-assisted content management and monitoring.

Furthermore, you'll have remarkable opportunities to support various ongoing Accenture initiatives in Responsible AI (RAI) through client projects. This might entail collaborating with clients who have enlisted Accenture's assistance on their responsible AI journey or partnering with our data science and AI engineering teams to create models and frameworks, among other possibilities.

**Summary of Responsibilities:**

- Developing advanced technical solutions to improve accuracy, relevancy and explainability of GenAI. This includes model fine-tuning, customization, and prompt engineering techniques.
- Contributing to the design and development of technical tools and techniques to monitor, detect and mitigate bias and toxicity in the system's outputs.
- Engaging in Accenture’s client-facing projects to design and deliver cutting-edge GenAI solutions in different industries ranging from life sciences to financial services.

**Person Specification**

The ideal intern will have:

- A demonstrable passion for Responsible AI and interest in technical, social, legal, and ethical aspects of AI
- Being enrolled in a PhD program in Computer Science, or relevant technical fields.
- Strong technical background in machine learning and proficiency in at least one programming language, preferably Python.
- Familiarity with GenAI technologies: ability to compare and contrast cloud-based foundation models, develop ML-driven prompt engineering techniques, perform model customization & fine-tuning, and utilize information retrieval systems and reinforcement learning methods.
- Interest in solving real-world scientific problems and in acquiring commercial experience.
- Demonstrable experience of performing well both when working part of a team and individually
- Ability to pause your PhD for the duration of the internship and return subsequently.
- Ability to work creatively and analytically in a problem-solving environment.
- Excellent verbal and written communication in English

**Supervision and Mentorship**

This role will report to Arash Bateni, PhD a key figure in Accenture's global leadership for Responsible Generative AI. With 15 years of expertise in Data and AI, coupled with five years of in-depth experience in Responsible AI, Arash leads Accenture's worldwide initiatives for developing innovative solutions and methodologies to address the risks and challenges of GenAI.
Internship Logistics
This internship will be based in Accenture’s UK HQ in Fenchurch Street, London/ Remote

**Start date:** January/February 2024  
**Duration:** 6 months  
**Remuneration:** It will be pro-rated based on an equivalent annual salary of £35,000.

*This is a full-time position, and we regret that we are unable to consider part-time applications.*