



LET'S
COLLABORATE!

As Austria's largest research and technology organisation for applied research, we are dedicated to make substantial contributions to solving the major challenges of our time, climate change and digitisation. To achieve our goals, we rely on our specific research, development and technology competencies, which are the basis of our commitment to excellence in all areas. With our open culture of innovation and our motivated, international teams, we are working to position AIT as Austria's leading research institution at the highest international level and to make a positive contribution to the economy and society.

Our **Center for Digital Safety & Security** is looking for new Ingenious Partner for our location in **Vienna**. Our experts from the Center for Digital Safety & Security are developing state-of-the-art information and communication technologies to ensure that our systems are highly secure and reliable in the context of comprehensive digitalisation and global networking – Hereby we focus on a variety of key technologies like Distributed IT Systems, Internet of Things, IoT, Cybersecurity, Data Science, Artificial Intelligence (AI), Blockchain Technologies, Quantum & Photonic Technologies, Wireless Systems (6G) and Digital solutions for crisis & disaster management.

Our **Cyber Security** Research Field, part of the Competence Unit "Security and Communication Technologies", specialises in applied research for digital security and is a pioneer in developing highly innovative concepts, algorithms and systems for anomaly detection, cyber threat intelligence, penetration testing and cryptography. Through our groundbreaking technologies we are simulating modern ICT and OT infrastructures as well as cyber-attacks, which serve as a basis for conducting intrusion detection research with the aim of helping companies to increase the resilience of their critical infrastructure and protect their assets as best as possible.

JUNIOR RESEARCH ENGINEER (M/F/D) FOR MACHINE LEARNING APPLICATIONS IN CYBER SECURITY (PART-TIME/FULL-TIME)

- We are seeking a passionate and dedicated Junior Developer to join our team. The ideal candidate will have a strong foundation in software development and a keen interest in artificial intelligence and OSINT tools. You will be working closely with our senior developers to enhance and maintain the Taranis AI platform: <https://taranis.ai/>
- Under the guidance of our interdisciplinary team, you will work intensively on applying modern natural language processing (NLP) algorithms and modifying large language models (LLMs) to process cyber threat intelligence feeds.
- As AI engineer you will assist with the integration of AI and machine learning models, and write clean, efficient, and well-documented code. You will participate in code reviews and testing, and help troubleshooting and resolving software defects and issues.
- You will not only work on the technical implementation but will further creatively design software solutions.
- You will contribute to Taranis AI, a novel solutions, which is also published open source on GitHub and used by the security community and authorities across Europe.
- Furthermore, you will contribute to the continuous improvement of the development process. You will use modern software development methodologies while applying agile approaches and will use a Continuous Integration / Continuous Delivery (CI/CD) pipeline.
- By regularly exchanging ideas with European cooperation partners and security authorities, you will become a recognized contact person and thus continue building up your network over the course of multi-year research projects.

Your qualifications as an Ingenious Partner:

- Bachelor's degree in Computer Science, Engineering, or a related field, or equivalent practical experience
- Experience in the DevOps field, and with programming languages such as Python, JavaScript, or similar
- Familiarity with AI and machine learning concepts, and a basic understanding of natural language processing (NLP) and data analysis
- Basic understanding of OSINT tools and methodologies as well as proficiency in using Git and GitHub for version control
- Knowledge of web development frameworks and libraries (e.g., Django, Flask, React)
- Strong problem-solving skills and attention to detail
- Excellent communication and teamwork abilities
- Ideally, prior contributions to open-source projects
- Ability to work in a team, high commitment, interest, and willingness to learn new technologies
- Good German language skills, good English language skills

What to expect:

The minimum gross annual salary on a full-time basis (38,5 h / week) according to the collective agreement is EUR 55.720,--. The actual salary will be determined individually, based on your qualifications and experience. In addition, we offer company benefits, flexible working conditions, individual training and career opportunities.

At AIT diversity and inclusion are of great importance. This is why we strive to inspire women to join our teams in the field of technology. We welcome applications from women, who will be given preference in case of equal qualifications after taking into account all relevant facts and circumstances of all applications.

Please submit your application documents including your **CV**, **cover letter** and **certificates** online:
<https://jobs.ait.ac.at/Job/242434>

For further information, please contact:
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TOMORROW TODAY. WITH YOU.

