

AI Research Engineer Job Description template

AI Research Engineer Job Description Template/Brief

We are seeking an AI Research Engineer to join our innovation team. This role involves the development and implementation of cutting-edge AI models and algorithms to solve complex problems. The ideal candidate should possess strong programming skills and experience in machine learning.

AI Research Engineer Job Profile

An AI Research Engineer focuses on designing and developing advanced AI systems to enhance company products and services. They collaborate with cross-functional teams to integrate AI solutions into existing systems. This position requires a solid understanding of machine learning algorithms, data processing, and software engineering.

Reports To

The AI Research Engineer reports to the Head of AI Development.

AI Research Engineer Responsibilities

- Develop and implement advanced machine learning models and algorithms.
- Collaborate with data scientists and product teams to integrate AI solutions.
- Conduct experiments and analyze results to improve AI models.
- Stay updated with the latest research and trends in AI and machine learning.
- Contribute to the design and architecture of AI systems.
- Optimize AI models for performance and scalability.
- Prepare technical reports and presentations on research findings.
- Support junior engineers and provide mentorship.
- Ensure the ethical and responsible use of AI technologies.

AI Research Engineer Requirements & Skills

- Strong programming skills in Python, R, or similar languages.
- Experience with machine learning frameworks like TensorFlow or PyTorch.
- Knowledge of data analysis and statistical modeling.
- Ability to understand and implement complex algorithms.
- Experience with deep learning techniques.
- Strong problem-solving skills and attention to detail.
- Excellent communication and teamwork abilities.
- Bachelor's or Master's degree in Computer Science, AI, or a related field.