

Machine Learning Engineer (Junior)



POSITION DESCRIPTION

Position title: Machine Learning Engineer (Junior)
Company: Amplified Intelligence
Location: Adelaide, South Australia
Reports to: Head of Machine Learning

Primary Objectives

The Machine Learning Engineer plays a key role within the development team, collaborating alongside high performing engineers and developers, driving change in the advertising ecosystem.

In this position, the candidate will facilitate exciting projects with focus on machine learning for meeting market research, at Amplified Intelligence. The ideal candidate must help the company in their advanced competence and focus on machine learning and have autonomy to drive development. You will have the chance to work with existing machine learning processes, enhance existing pipelines, and explore new ideas.

The Machine Learning Engineer (Junior) assists in the design, validation, and deployment of machine learning solutions. They are responsible for implementing data pipelines and experimentation under supervision.

Key Responsibilities

- Consulting with stakeholders to determine and refine machine learning objectives.
- Developing machine learning systems from data gathering, model training and tuning, to deploying, production and monitoring its performance. Vast majority of the systems are computer vision based.
- Running tests, performing statistical analysis, and interpreting test results.
- Apply statistics, mathematical models, and machine learning techniques to create scalable solutions for predictive tasks, forecasting, and optimisation
- Define validation and performance metrics for proposed algorithms
- Convert and prepare data from disparate sources and schemas for machine learning input and output
- Analyse data from disparate sources
- Develop and maintain documentation
- Work autonomously and define your own milestones in conjunction with the ML Lead

Accountabilities

- Help identify areas of opportunity and innovation within the product
- Keep up to date with advances in ML technologies, scientific papers and techniques
- Exhibit strong software development qualities including the ability to drive creative and innovative solutions to complex problems.



Desired competencies and experience

- Bachelor or higher degree in a relevant field (Computer Science/Software Engineering/etc) with a focus on Machine Learning/AI
- Graduates eligible, but some demonstrable prior machine learning projects (Kaggle/University Projects/etc) are required
- 1+ years of experience in the relevant industry or academic environments focusing on **computer vision** and image processing and comprehension of segmentation, classification, object detection, feature extraction, face detection and gaze estimation.
- Practical experience (academic or industry) and deep understanding of Machine Learning, AI, CNN, deep learning, and model training and deployment using (linux, pytorch, keras, tensorflow, and python).
- Experience in cloud computing ecosystems (preferably in AWS)
- Linux command line experience with bash scripting
- Practical experience with python and libraries such as matplotlib, plotly, opencv, pandas, and numpy.etc)
- Software engineering skills and strong understanding of data structures, data modeling, and software architecture.
- Strong analytical and quantitative skills

Competencies

- **Results orientation:** Feels a strong need for accomplishment and focuses efforts and resources on consistently achieving short- and long-term goals. Constantly challenges self and team to achieve meaningful results.
- **Analytical thinking:** Breaks complex ideas or situations into component parts and uses logic to understand how each component works. Uses data and observation to evaluate options, test solutions, and anticipate outcomes.
- **Innovation:** Capitalizes on new opportunities, ideas, technology, or methods to turn new ideas into novel solutions that add significant value for the organization.
- **Technical learning:** Keeps up with new technology and software applications associated with a field of work. Learns technical skills quickly and integrates technology to enhance performance and/or capability.

Please email your application to people@amplifiedintelligence.com.au