Artificial Intelligence and Machine Learning Engineer

OPPORTUNITY

Ainira Industries is currently seeking applicants for Artificial Intelligence and Machine Learning Engineers. We are looking for smart, enthusiastic people who want to join our growing team as we push the boundaries applying AI in support of human creativity. In this role, the successful candidate will contribute to our ground-breaking AI Semiconductors flagship projects in Electric Vehicles, Space and Defence, and Energy.

JOB DESCRIPTION

This role requires a strong background in Artificial Intelligence fundamentals, Machine Learning and Natural Language Processing, along with a passion for driving innovation, building products and delivering impactful results. You will enjoy working with a highly talented team of data scientists and engineers specialising in deep learning, active learning, and classical machine learning.

Reporting to the Director of AI Engineering, the Artificial Intelligence Engineer will play a pivotal role in leading and shaping our organisation's AI Chips initiatives. You will help drive a new generation of data and machine learning enabled services and products, and be responsible for building artificial intelligence, machine learning, and data science products and solutions. The ideal candidate should have experience working with large data sets and deploying data-driven solutions that deliver impactful results.

RESPONSIBILITIES

- Provide technical leadership and implementation for projects supporting our AI and machine learning goals, and deliver business impact through implementation of a large pipeline of AI models

- Analyse system-wide problems and opportunities to improve our software quality, and find ways to make all of our software better getting all the way into the code

- Communicate proactively with team members and product stakeholders in a highly agile environment, make important technical decisions to improve the quality of the entire software development operations

- Propose new applications and design new model architectures, prototype ideas and solutions, perform essential analysis, and use creative approaches for solving complex problems

- Collaborate closely with AI scientists for model development, review and approve deep-dive analysis from the junior executive team, and build demonstrations and presentations of the team's work

- Acquire data, create new training datasets, and improve those pipelines – modify, implement, test and support all product related technology and functionality, including software infrastructure

- Inform and deliver on ambitious product roadmaps to accelerate growth, and participate in strategic business and product planning process including testing, release, and production

- Monitor industry developments, competitive market landscape, emerging trends, potential business opportunities, and customer requirements to provide feedback and insights to product managers

- Stay up-to-date with the latest in large data science, ML engineering, and cloud technologies

SKILLS and ABILITIES

- Bachelor's or Master's degree in Computer Science, IT, Mathematics/ Statistics or a related field

- Approximately 10+ years of post-university, real-world experience working and implementing elegant ML applications at internet scale supported by strong background in software (primarily Python)

- Executive experience running enterprise software development at scale, and still super-technical at delivering business impact through implementation of a large pipeline of AI models

- Up-to-date knowledge of AI/ML technologies and their trends, including various libraries and tools; experience with one of the cloud platforms (Azure, GCP, or AWS) and generative AI (e.g. OpenAI)

- Expertise with cutting edge technologies such as transfer learning, unsupervised feature generation, meta-learning, generative text models, computer vision, sensor fusion, or reinforcement learning

- Experience working with and integrating services from popular ML packages such as Keras, TensorFlow, XGBoost and SciKit Learn

- Extensive experience building Chatbots, Voicebots, and NLP processing; Spark or Pyspark experience a plus

- Proficient in C++, C#, Docker, Git, Linux, and Windows; required SQL design and development skills

- Above average capabilities with cloud computing techniques or tools such as S3, EC2, EMR, SageMaker, ECS, Lambda, IAM

- Self-manage tasks with little oversight and deliver results according to stated timelines and budgets

- Agility and willingness to learn and adapt quickly, staying at the forefront of emerging AI technologies

- Demonstrated high degree of initiative, creative problem solving, attention to detail, and calm under fire

- Outstanding organisation, communication, teamwork, presentation, and time management skills

COMPENSATION

The Company offers a competitive compensation and benefits package.

APPLY

Click "Apply" below or use form in the Contact section – quote the reference number HR-AIS-0011. Only the shortlisted candidates will be contacted. Thank you for your interest.

Recruitment agencies, please note that no agency candidates will be accepted.