

Intern AI Engineer

Techvantage Analytics is a fast-growing AI services and product engineering company specializing in Analytics, Machine Learning, and AI-based solutions. We are seeking an ambitious and energetic entry level **Intern AI Engineer** who is passionate about exploring the newest advancements in Generative AI and data science to join our innovative team in London. This role provides an excellent opportunity to work on transformative projects, collaborate with talented professionals, and build a strong foundation in AI-powered solutions.

Key Responsibilities:

- **Data Exploration and Analysis:** Analyze raw data to identify trends, uncover insights, and propose actionable solutions.
- **Generative AI Development:** Design, fine-tune, and deploy Generative AI models (e.g., GPT, Stable Diffusion, DALL-E) for applications such as content creation, AI-driven recommendations, and problem-solving.
- **Large Language Models (LLMs):** Assist in building and optimizing LLMs using frameworks like LangChain to support conversational agents and other applications.
- **Model Development:** Develop and refine predictive models, classifiers, and algorithms using machine learning and statistical methods.
- **Data Preprocessing:** Cleanse, transform, and prepare structured and unstructured datasets for advanced analytics and AI modeling.
- **AI Integration:** Contribute to integrating AI techniques into scalable systems to address customer challenges effectively.
- **Data Visualization:** Create insightful visualizations and dashboards using tools like Tableau, Power BI, or Python libraries (e.g., Seaborn, Plotly).
- **Advanced Applications:** Explore computer vision, natural language processing (NLP), and image generation techniques for innovative solutions.
- **MLOps Practices:** Support the development of automated pipelines for AI model training, deployment, and monitoring with tools like MLflow and Docker.
- **Collaboration:** Work with software engineers and architects to standardize data workflows and support analytics pipelines.
- **Innovation:** Stay updated on advancements in AI, proposing novel strategies for complex challenges.

Skill Sets & Qualifications:

- **Education:** Currently pursuing or recently completed a bachelor's or master's degree in computer science, Artificial Intelligence, Data Science, Machine Learning, or a related field from a recognized UK institution or equivalent.
- **Generative AI Tools:** Familiarity with models like GPT, DALL-E, and tools such as Hugging Face or OpenAI APIs.
- **Large Language Models:** Exposure to models like BERT, T5, and frameworks like LangChain or RAG pipelines.
- **Machine Learning:** Understanding of supervised, unsupervised, and reinforcement learning methods, including algorithms like XGBoost and deep learning models.
- **Programming:** Proficiency in Python and familiarity with libraries like TensorFlow, PyTorch, NumPy, and Pandas.

- **Data Visualization:** Knowledge of Tableau, Power BI, or Python visualization libraries (e.g., Matplotlib, Seaborn).
- **Cloud Platforms:** Experience or exposure to AWS (SageMaker), Azure (ML Studio), or Google Cloud (Vertex AI).
- **Foundational Knowledge:** Strong grasp of linear algebra, calculus, probability, and statistics applied to AI modeling.
- **Version Control & MLOps:** Familiarity with Git, CI/CD pipelines, Docker, and Kubernetes.
- **Communication Skills:** Excellent analytical, problem-solving, teamwork, and communication abilities.