

## **Fintech Research Analyst Intern at AIDF-CRI**

### **Background**

The Asian Institute of Digital Finance (AIDF) is a university-level institute in NUS, jointly founded by the Monetary Authority of Singapore (MAS), the National Research Foundation (NRF) and NUS. AIDF aspires to be a thought leader, a Fintech knowledge hub, and an experimental site for developing digital financial technologies as well as for nurturing current and future Fintech researchers and practitioners in Asia. The Credit Research Initiative (CRI) is a non-profit undertaking under the AIDF. Pioneering the "public good" credit risk measures, the initiative is committed to advancing big data analytics and providing directly useful credit intelligence to academic and professional communities.

Moreover, AIDF-CRI is dedicated to staying updated with the latest trends and technologies, especially for AI. We are currently in the process of developing deep learning applications with alternative data to enhance and diversify our credit solutions.

### **Responsibilities**

AIDF-CRI is actively seeking a motivated and skilled part-time **Fintech Research Analyst Intern** to join our team. This role will focus on **credit risk analysis and modelling** for listed companies and SMEs, incorporating both traditional financial data and alternative data sources. Ideal candidates should have a background in data analysis, statistics, computer science, or quantitative finance, and a strong interest in financial risk modeling.

Key responsibilities include:

- **Data Processing:** Analyze and process large datasets, both structured and unstructured, ensuring data quality and accuracy.
- **Alternative Data Integration:** Work with alternative data sources to enhance model insights and predictive power.
- **Model Development:** Build and implement credit risk models in Python, with a focus on predictive accuracy and robustness.
- **Research and Reporting:** Collaborate with the team to draft and finalize a whitepaper on modelling outcomes, ensuring clear, precise, and professional documentation.

This position offers an excellent opportunity to apply analytical and technical skills in credit risk modelling within a dynamic research environment.

### **Minimum Requirements**

- Background in data analysis, statistics, computer science, or quantitative finance.
- Strong proficiency in Python, with hands-on experience in data manipulation and analysis.
- Experience with statistical modelling, machine learning, or financial data analysis.
- Experience working with relational database servers, such as MySQL.
- Familiarity with version control systems like Git.
- Ability to work independently, with strong self-learning skills and problem-solving abilities.
- Clear logical thinking and a structured approach to tasks and documentation.

### **Bonus Skills**

- Experience or interest in financial risk analysis and credit modelling.
- Familiarity with financial markets and credit risk assessment frameworks.
- Knowledge of NLP techniques and experience with LLMs projects.
- Excellent writing skills.
- Data Visualization skills.