

# Resume Analysis

## Skills Extraction

### ### Resume Skills

#### \*\*Hard Skills:\*\*

- Python (Pandas, Numpy, Tensorflow, Pytorch, PySpark, Flask/Django, BeautifulSoup, Matplotlib, Jupyter)
- Machine Learning (ML) & Deep Learning (DL) model development
- Data mining/extraction, exploration, and transformation
- Base de Données/Database: MongoDB, MySQL, SQLite, Spark
- Data Visualization: Tableau, Power BI
- Microsoft Office Suite (including Excel, VBA, dynamic pivot tables)
- Cloud Computing: Azure & Google Cloud Platform
- DevOps/Project Tools: Git, GitHub, Trello
- Programming Languages: C, Java, bash, JavaScript, HTML/CSS
- API development and documentation
- Fine-tuning LLMs and Retrieval-Augmented Generation (RAG)
- Automation (UiPath, RPA)
- Development of web/mobile applications (NextJS, React, Tailwind)
- Statistical analysis for business and economic intelligence

#### \*\*Certifications:\*\*

- Certification RS 5487 - Gérer un projet Agile

#### \*\*Soft Skills:\*\*

- Esprit d'équipe (teamwork)
- Autonomie (autonomy, self-driven)
- Dynamique (dynamic)
- Rigueur et persévérance (rigor and perseverance)
- Créatif et force de proposition (creativity and proactivity)
- Aisance relationnelle et communication (communication skills)
- Analytical thinking (demonstrated by project/memoire work)

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### ### Job Requirements

#### **\*\*Required Skills:\*\***

- Master 2 student or equivalent from an engineering school or statistics
- Strong interest in data, machine learning, and programming
- Mastery of Python
- Proficient with Excel
- Statistical exploratory analysis experience
- Ability to improve and test prediction/scoring models (machine learning)
- Strong analytical and synthesis skills
- Ability to document and share insights
- Good teamwork, communication, and collaboration skills
- Looking for a 6-month internship starting in May

#### **\*\*Preferred Skills:\*\***

- Use of SAS (strongly recommended)
- Knowledge of Power BI (ideal asset)
- Experience in credit/finance environment (plus, not required)
- Knowledge of advanced and innovative machine learning/scoring methods
- Knowledge/interest in statistics
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### **Match Analysis**

#### **\*\*Direct Matches:\*\***

- Mastery of Python (extensive, with libraries and web frameworks)
- Proficient in Excel, with VBA and dynamic pivot tables
- Data analysis/statistics background (projects and coursework)
- Machine learning and deep learning model building
- Data transformation and exploration
- Analytical and synthesis skills (demonstrated via academic work and memoire)
- Teamwork, communication, and collaboration (soft skills stated)
- Power BI (used for Data Viz)
- Project management experience/tools (Git, Agile Certification)
- Documenting and sharing technical work (API/project documentation, client training)

### **\*\*Transferable Skills:\*\***

- Use of RPA and UiPath (automation parallels data process automation)
- Cloud computing & database administration (useful for data pipelines/scalable ML)
- Web development (could help operationalize scoring solutions)
- API development and fine-tuning LLMs (shows depth in ML and innovation)
- Knowledge of multiple programming languages (C, Java, etc. for broader technical robustness)
- Data visualization with Tableau (besides Power BI)

### **\*\*Skills Gaps:\*\***

- SAS: No explicit mention of hands-on SAS experience.
- Explicit experience in a credit, finance, or lending environment: Missing, though relevant business/analytics and RPA in the dental sector are present.
- Statistical methodology in a financial context: Application in credit risk isn't specifically stated.
- Internship duration: Candidate is available June-September (4 months), while the role seeks 6 months from May.

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## **Match Score: \*\*78/100\*\***

### **\*\*Breakdown:\*\***

- **\*\*Technical Skills (Python, ML, Data Analysis, Excel):\*\*** 38/40 (Excellent across all, lacks SAS)
- **\*\*Experience (Statistical/machine learning, exploratory analysis):\*\*** 15/20 (Strong, but not in credit/finance context)
- **\*\*Education:\*\*** 10/10 (Enrollment in an engineering master's with AI/data focus)
- **\*\*Software/Tools (Excel, Power BI, database, automation):\*\*** 8/10 (All except SAS)
- **\*\*Soft Skills (Teamwork, communication, rigor):\*\*** 7/10 (Well demonstrated)
- **\*\*Other/Duration Alignment:\*\*** 0/10 (Not meeting the full 6-month requirement)

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## **Summary Assessment**

Anis Mounsi presents as a highly capable engineering student with deep expertise in machine learning, Python, data science, and modern automation tools. The candidate matches almost all core technical and soft skill requirements and shows strong academic and project-based exposure to data analysis and

modeling. The primary gaps are lack of SAS experience, absence of explicit credit/financial industry context, and misalignment with the 6-month internship duration required by the position. Despite these, Anis's advanced technical skill set, self-starting attitude, and certifications make him a strong candidate. \*\*Recommendation: Strongly suitable for interview and further consideration if the internship duration can be discussed; high potential for technical contribution and growth.\*\*

# Cover Letter

Madame, Monsieur,

Intégrer l'équipe Pilotage des Risques et de la Performance de Franfinance représente pour moi une opportunité concrète d'allier ma maîtrise technique en data science à l'univers exigeant du financement d'entreprises. Durant mon alternance chez Novel Conseil, j'ai mis en place une solution d'automatisation basée sur un modèle ResNet optimisé en Python, permettant de réduire de 85% le temps de traitement documentaire. Cette expérience m'a appris à réaliser des analyses exploratoires, à concevoir et améliorer des modèles prédictifs, tout en collaborant efficacement avec des équipes métiers variées.

Au fil de mon cursus d'ingénieur en Intelligence Artificielle, j'ai développé et déployé des modèles de scoring pour la recommandation et la prédiction dans des contextes réels (immobilier, recommandation de films). La transformation de résultats analytiques en outils opérationnels s'est accompagnée d'une attention rigoureuse à la documentation et à la transmission claire des insights. J'utilise quotidiennement Python ainsi qu'Excel, et maîtrise Power BI pour la datavisualisation. Même si je découvre SAS, j'ai l'habitude d'appréhender rapidement de nouveaux outils analytiques pour répondre aux besoins des équipes.

L'esprit d'équipe, la force du collectif et le dialogue ouvert promus par Franfinance sont des valeurs qui font écho à ma propre expérience. Je suis impatient de contribuer à vos projets de scoring innovants tout en renforçant ma maîtrise du secteur du crédit, entouré d'experts soucieux d'inclusion et de transmission.

Je serais ravi d'échanger sur la façon dont je pourrais mettre à profit mes compétences pour accompagner Franfinance dans ses ambitions. Je vous remercie de votre attention et me tiens à disposition pour toute rencontre.

Cordialement,

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*Candidate*