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# ANALYSIS REPORT

AI Job Market Analysis – Power BI Dashboard Report

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# BUSINESS OBJECTIVE

- To analyze global AI job listings and extract actionable insights.
- Help stakeholders understand salary trends, in-demand skills, remote work prevalence, and company hiring behaviors.
- Provide guidance for job seekers, HR professionals, and companies hiring in AI.



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# DATA OVERVIEW

The global AI job market in 2025 demonstrates remarkable growth, with 15,000 job openings and an impressive average salary of \$115,349. However, only 33% of jobs are remote, showing that hybrid and on-site roles still dominate hiring practices. This dashboard reveals key insights across salary trends, skills, education, geography, and company size. Records: 15,000 job listings



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# DATA PREPARATION & FEATURE ENGINEERING

## ● Behind the Scenes - The Dataset

- The dataset had over 15,000 global job records with salary, job type, company size, required skills, experience level, education, and location.
- Before building visuals, I cleaned and structured the data, readying it for powerful insights.

## ● My Approach

- I transformed raw columns, extracted skills into analyzable formats, and built calculated KPIs using DAX.
- This laid the foundation for an interactive Power BI dashboard that reveals not just numbers, but meaning

## ● Feature Engineering

The required\_skills column was split and restructured into a separate skill\_list column to analyze the most frequent and in-demand technical skills in the job market. A new column remote\_type was also created from the remote\_ratio values to classify roles as Onsite, Hybrid, or Fully Remote.

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# \$115,349

Average salary

# 15000

Total Jobs

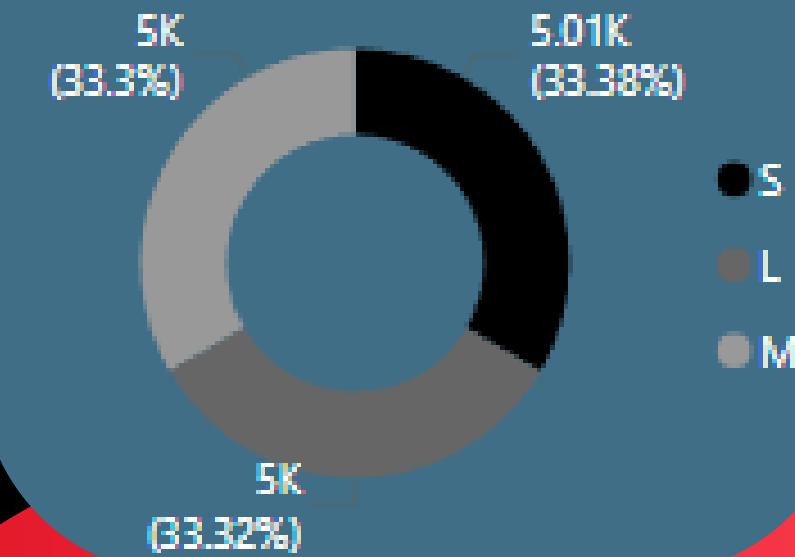
# 0.33

Remote Job %

# WHY THIS PROJECT?

- AI is reshaping the global job market. But where are the opportunities? Who pays the most? What skills matter?
- I built this dashboard to decode the patterns hidden inside 15,000+ AI job postings around the world.

Hiring Trends Based on Company Size



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# BUSINESS QUESTIONS

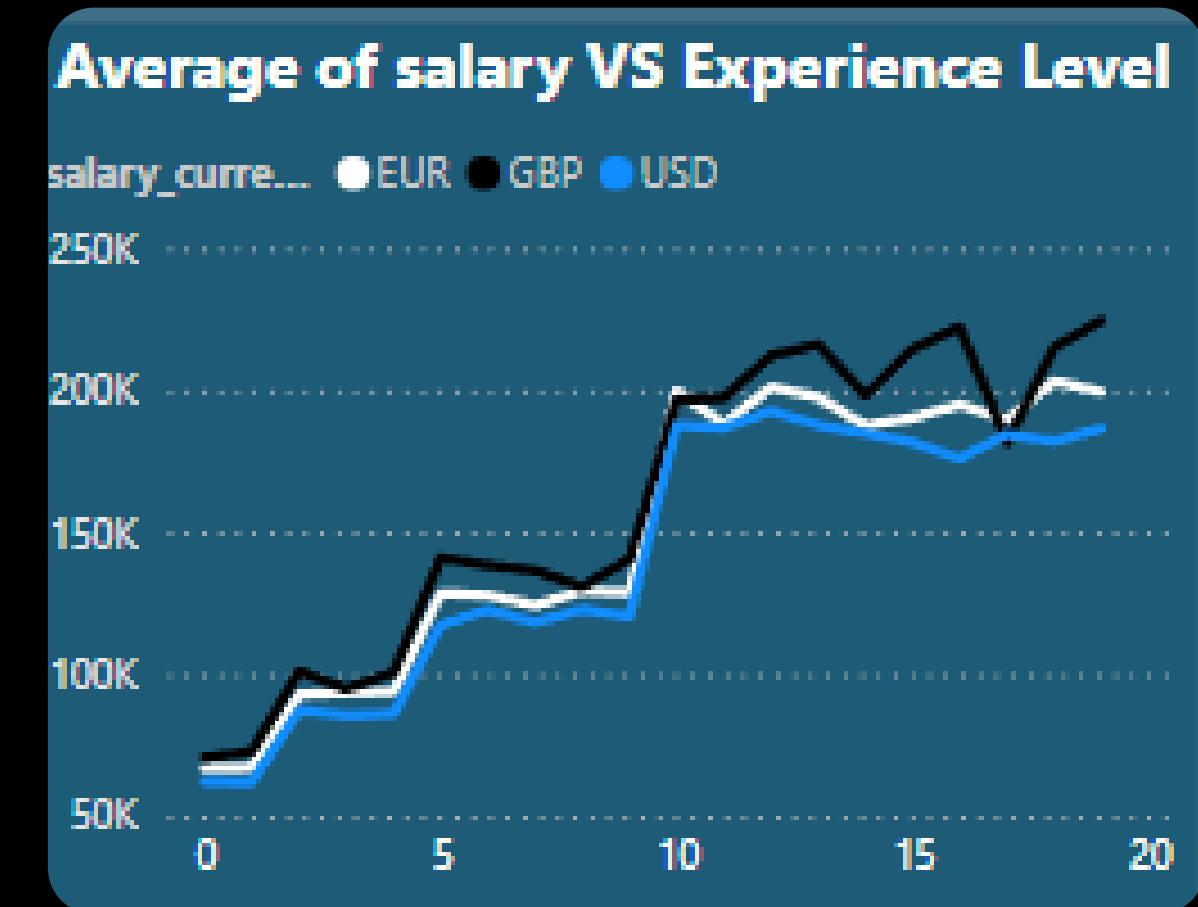
1. What is the trend of AI job postings throughout 2025?
2. How does average salary vary by experience level and currency?
3. How is remote work distributed across different company sizes?
4. What are the most frequently required skills in AI job listings?
5. Which skills are visually dominant in the AI job market? (Word Cloud)
6. Which company sizes are posting the most AI job vacancies?
7. What is the distribution of employment types in AI roles?
8. Which industries offer the highest average salaries in AI?
9. Which skills are associated with the highest average salaries?
10. What is the overall average remote work ratio across AI jobs?
11. How are different skills proportionally represented in AI jobs?



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## HOW JOB DEMAND HAS SHIFTED

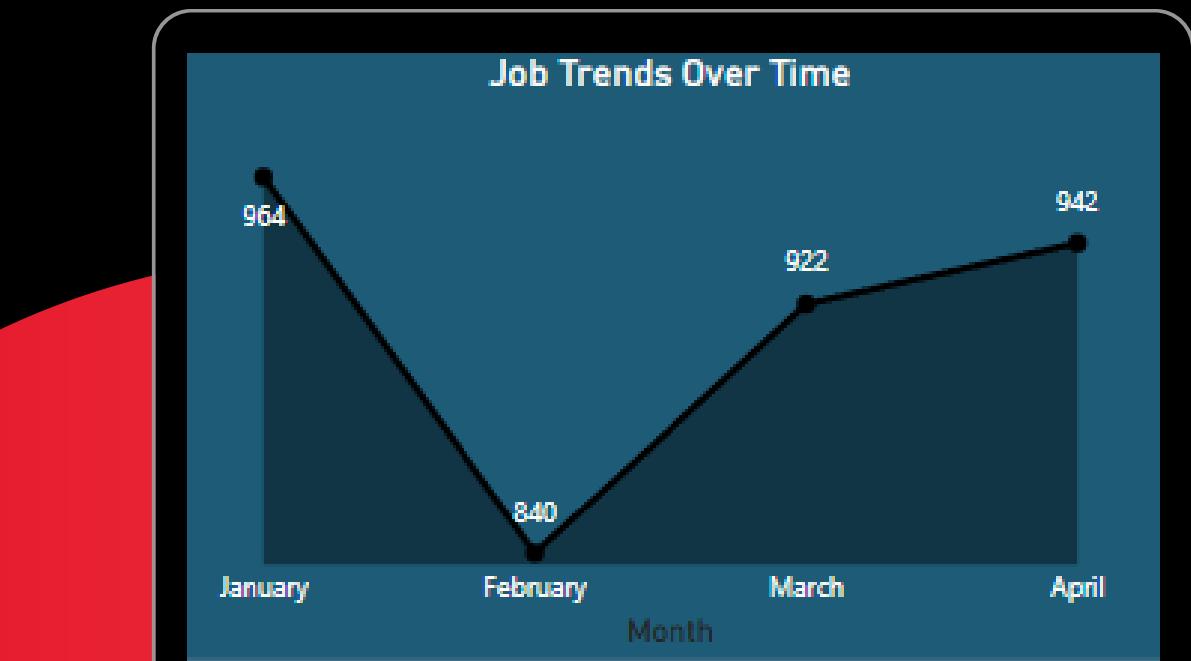
- From January to April, job trends showed a dip and rise — a likely indicator of post-holiday recovery and quarterly hiring spikes.



## EXPERIENCE = EARNING

The trend is clear: More experience, higher salary.  
Senior professionals see salaries crossing \$200K,  
especially in the US and Europe.

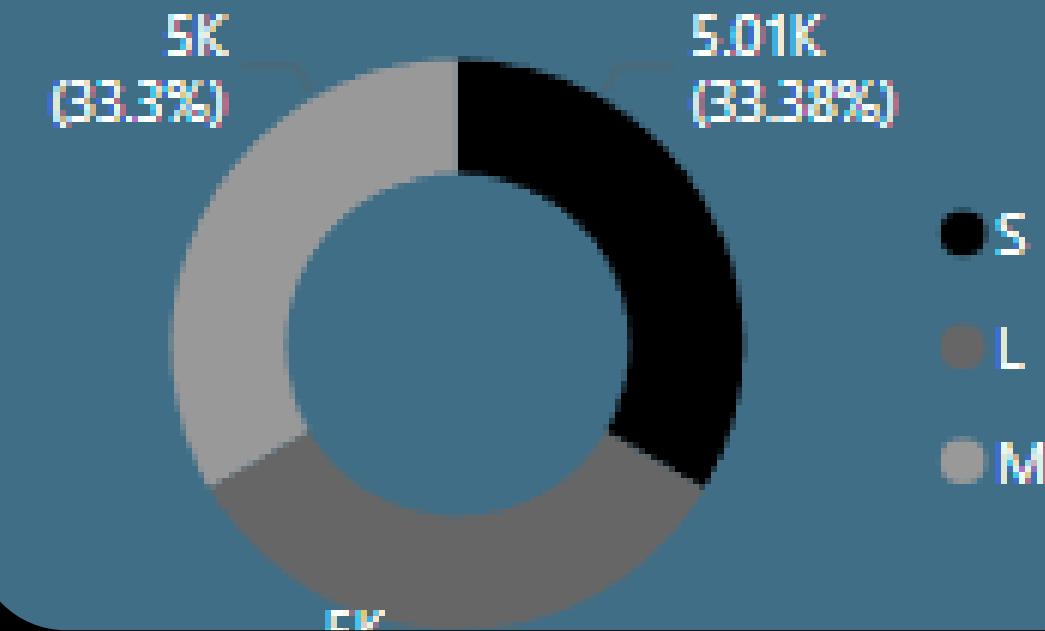
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## WHO'S HIRING - BIG, MEDIUM OR SMALL?

- Surprisingly, hiring is evenly split:
- Large: 33.3%
- Medium: 33.3%
- Small: 33.3%
- AI talent is in demand everywhere, from startups to giants.

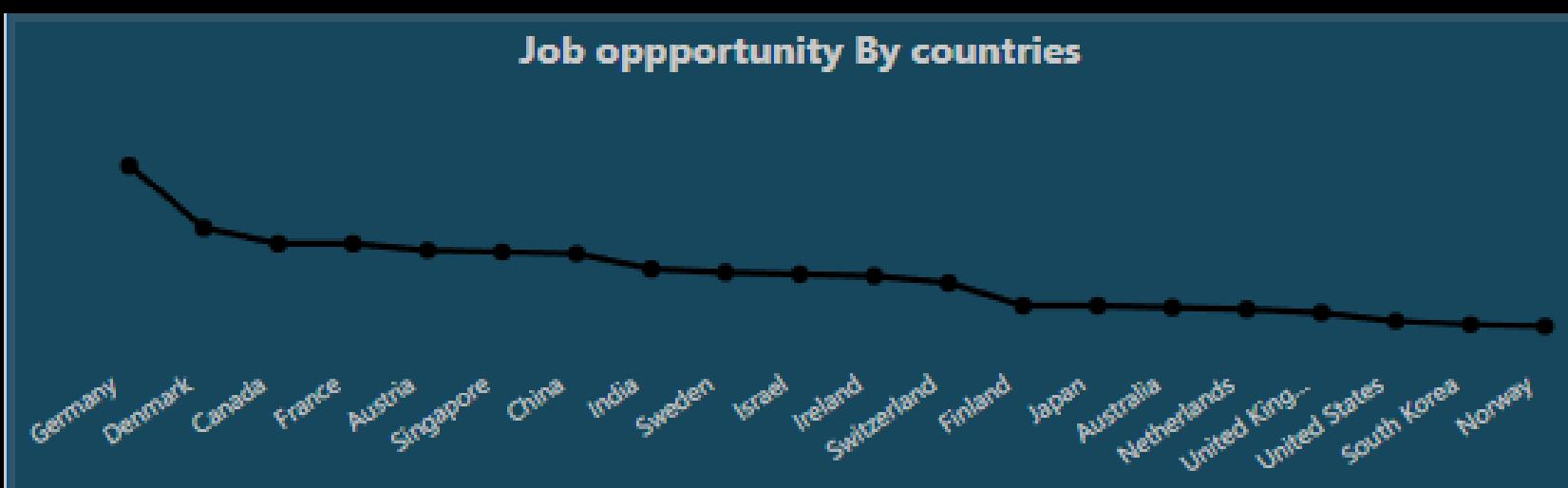
Hiring Trends Based on Company Size



## WHERE THE JOBS ARE

Germany, Denmark, Canada, and France top the list in job availability. Asia's contribution is rising — with China, Singapore, and India catching up fast.

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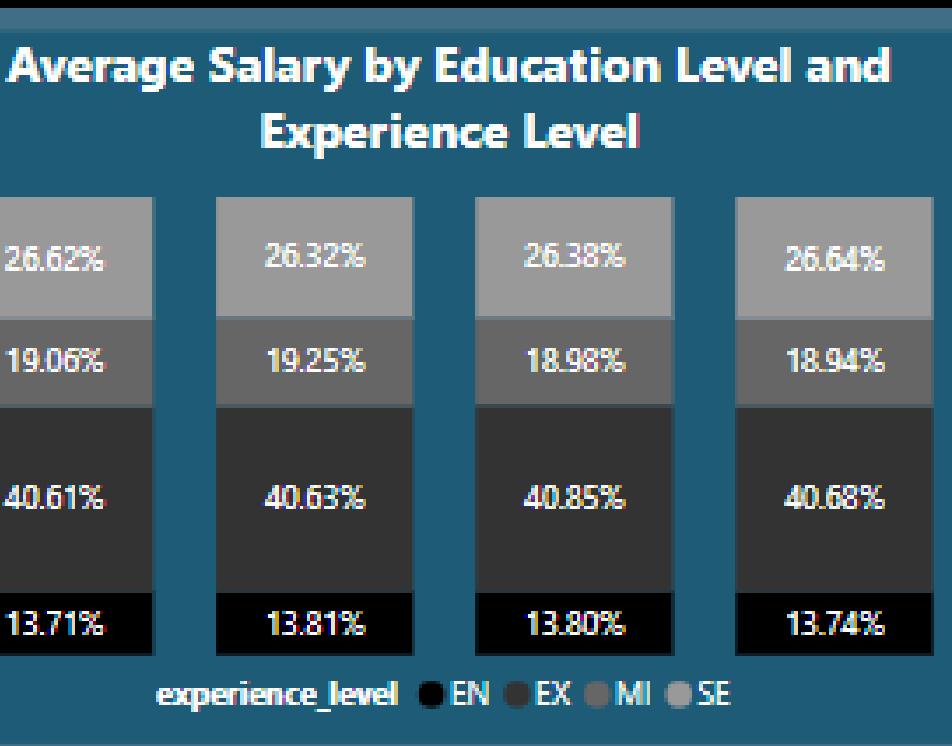
# WHO PAYS THE MOST?

Top average salaries by country:

1. Switzerland - \$171K
2. Denmark - \$166K
3. Norway - \$159K
4. USA - \$147K
5. UK - \$129K

-Europe is leading in high-paying AI roles.

# EDUCATION & SALARY - WHAT'S THE LINK?



Education still matters.

- Master's and PhD holders earn slightly more
- But Bachelor's grads still get a strong seat at the table, especially with experience

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# WHAT SKILLS GET YOU PAID?

Top 5 high-paying skills:

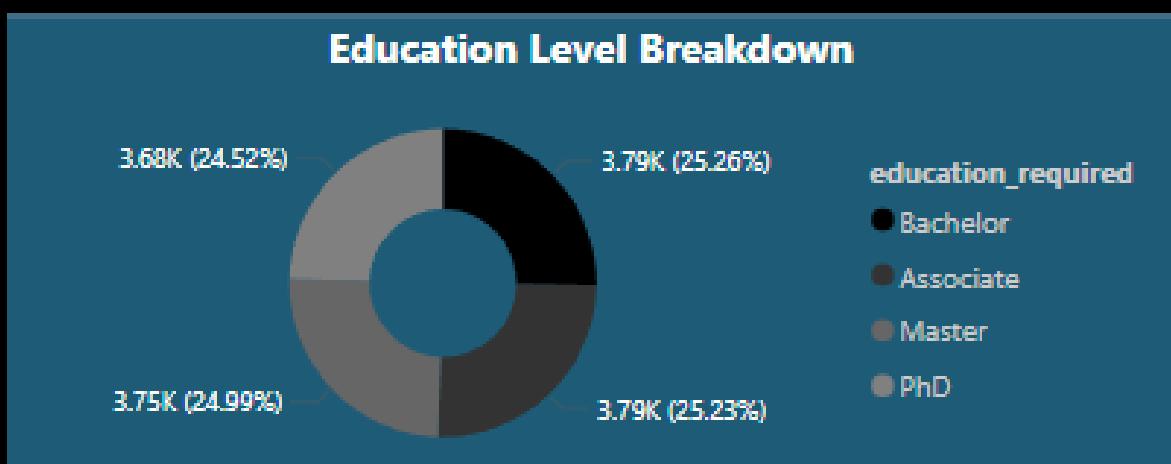
1. Statistics
2. SQL
3. R
4. AWS
5. Tableau

-In AI, data fluency pays well — whether it's analysis or cloud deployment.



## EDUCATION BREAKDOWN

- All education levels have access to AI jobs — with Bachelor's, Master's, Associate, and PhD roles equally represented.
- It shows that AI isn't elitist — skills and experience often speak louder than degrees.

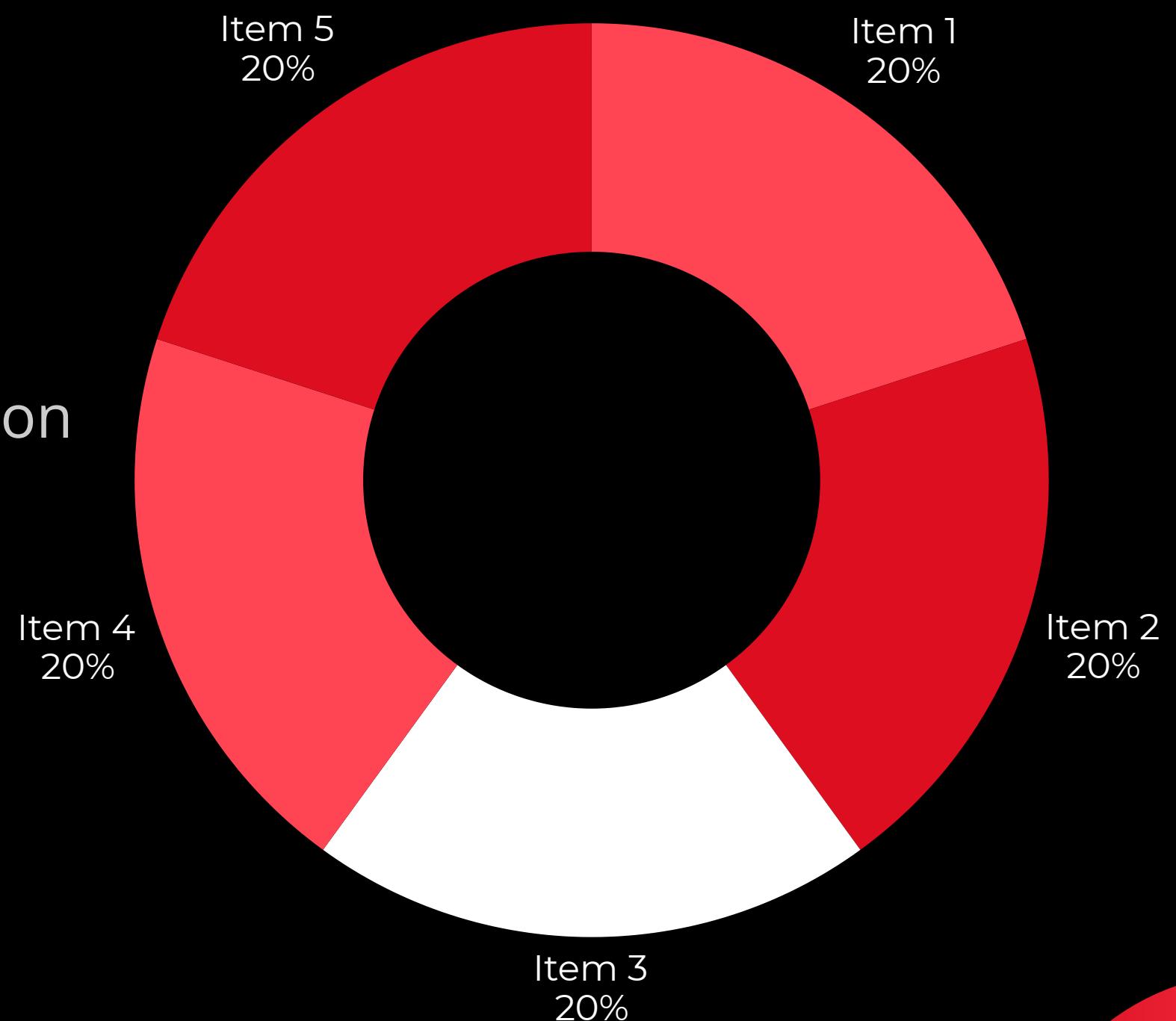


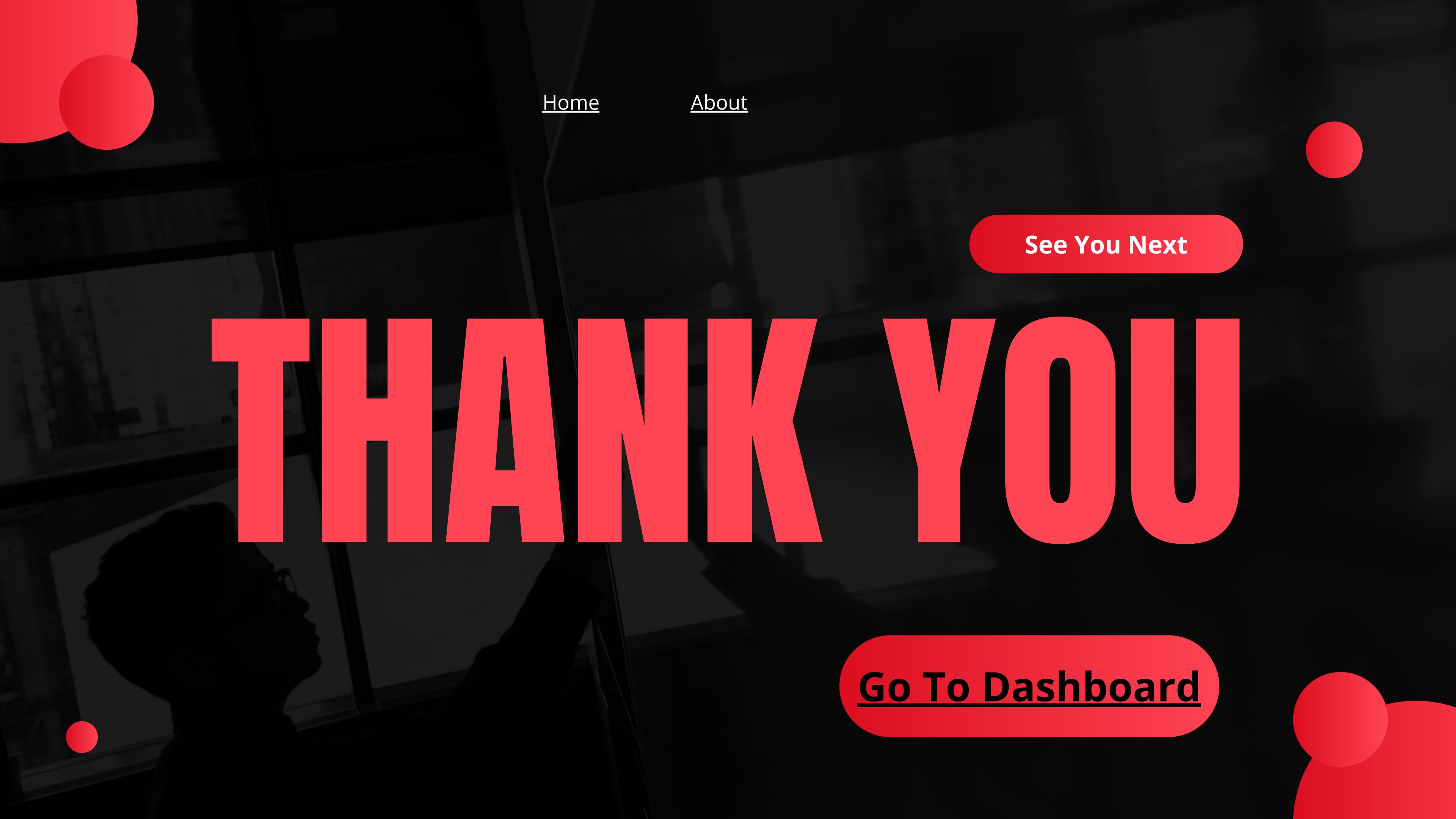
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# TOOLS I USED

- Power BI for dashboard building
- Python (Pandas) for cleaning and skill extraction
- DAX for KPIs and calculated measures
- Canva for presentation storytelling

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# THANK YOU

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