**AI Job Analysis Project**

**Team Information**

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**Team Members**

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**Objectives**

1. What are the highest-paying job roles in the dataset?
2. How do salaries vary based on experience level?
3. What is the relationship between employee residence and offered salaries?
4. What are the most in-demand skills required across job postings?
5. What is the relationship between education level and salary?
6. Which industries offer the highest salaries?
7. Which companies post the most AI-related jobs?
8. What is the correlation between benefits score and salaries?
9. Do large companies pay higher salaries than small companies?
10. Which job roles or industries provide the lowest salaries?
11. Does having a higher academic degree (e.g., Master/PhD) increase the   
    chances of getting a higher salary?
12. How do salaries differ across countries?
13. Can we predict salaries based on job role, experience, and education?
14. What are the most demanded job roles in different countries?

**Cleaning Process**

1. Change the abbreviations in columns (experience\_level, employment\_type, company\_size) to full descriptive names for better readability.
2. Changed the (remote\_ratio) column from numeric values (0, 50, 100) into a new column (work\_type) with categorical values (Onsite, Hybrid, Remote).
3. Change " israel " to " Palestine " in columns (company\_location , employee\_residence) .
4. The column " required\_skills " contained multiple skills in a single cell separated by commas , We split these skills into individual rows and moved them into a separate table to avoid duplicates .