

Internship Program

DATA ANALYST





ABOUT US



Futurion Tech empowers students & professionals with industry-relevant IT internships.

Specialized Training in Data Analysis, Data Science, Power BI, & Python Development and many more

Real-World Skills to bridge the gap between academics & practical application.

Future-Ready Approach to shaping tech leaders through hands-on projects & innovation.



Instructions

- Enhance your professional profile by updating your LinkedIn with achievements like offer letters or internship completion certificates from Futurion Tech. Be sure to mention and tag Futurion Tech in your posts and use hashtags such as #FuturionTech #FuturionJourney #InnovateWithFuturion to highlight your affiliation and connect with our community.
- Maintain academic integrity by avoiding plagiarism or code duplication, as these actions can result in internship termination and disqualification from future opportunities with us.
- Showcase your work by creating a video of your completed tasks and share it on LinkedIn. Tag Futurion Tech and use relevant hashtags to inspire and engage with others.

Submission



- Create a professional video highlighting your internship projects and achievements to showcase your expertise and dedication. Share the video on LinkedIn to enhance your professional presence and provide tangible proof of your work. Ensure you tag Futurion Tech in your posts so your contributions are acknowledged.
- A submission form will be provided soon. In the meantime, please focus on completing your tasks and organize your work by maintaining a separate file for each level.
- To maximize visibility and engagement, include the following hashtags in your posts:
#FuturionTech #FuturionExperience #FuturionInnovation

Level 1: Basic Data Exploration & Visualization using Python

Task 1: Job Market Overview



Task 01

Identify the top 10 most in-demand job roles based on the number of postings.



Task 02

Find the top 5 companies with the most job postings.



Task 03

Create a bar chart showing the distribution of job types





Task 2 :Salary & Experience Analysis



Task 01

Analyze the salary range distribution using a histogram.



Task 02

Find the average experience required for each job type.



Task 03

Identify which salary range has the highest number of job postings and visualize it.

Task 3: Location-Based Insights



Task 01

Find the top 5 cities with the highest number of job postings.



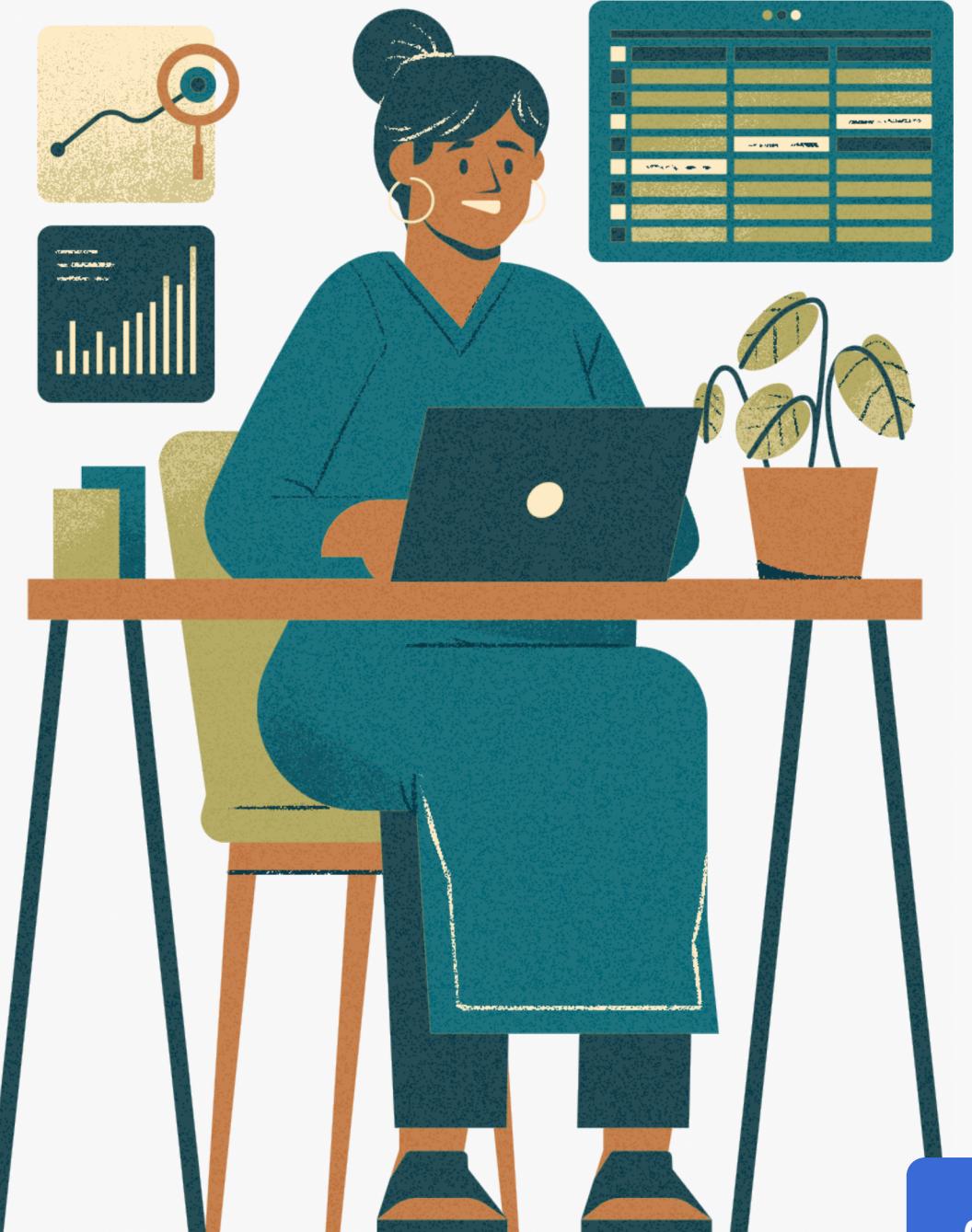
Task 02

Create a pie chart to visualize the most common job types in different locations.



Task 03

Identify the top 3 cities with the most remote job opportunities.



Task 4 :Skills & Education Insights



Task 01

Find the top 10 most required skills in job postings.



Task 02

Analyze the correlation between education level and salary range using a scatter plot.



Task 03

Identify which education level is most demanded for each job role.

Level 2:Intermediate Data Processing & Analysis using Python

Task 1: Hiring Trends Over Time



Task 01

Analyze the trend of job postings over months using a line chart.



Task 02

Calculate the average duration between job posting and application deadline and visualize it using a histogram.



Task 03

Find the peak months for job postings across different industries.





Task 2 : Application Trends



Task 01

Identify which job portals attract the most applicants.



Task 02

Determine which job titles receive the highest number of applications and visualize it using a horizontal bar chart.



Task 03

Calculate and visualize the average number of applicants per job type.

Task 3: Company Analysis



Task 01

Identify the distribution of job postings by company size.

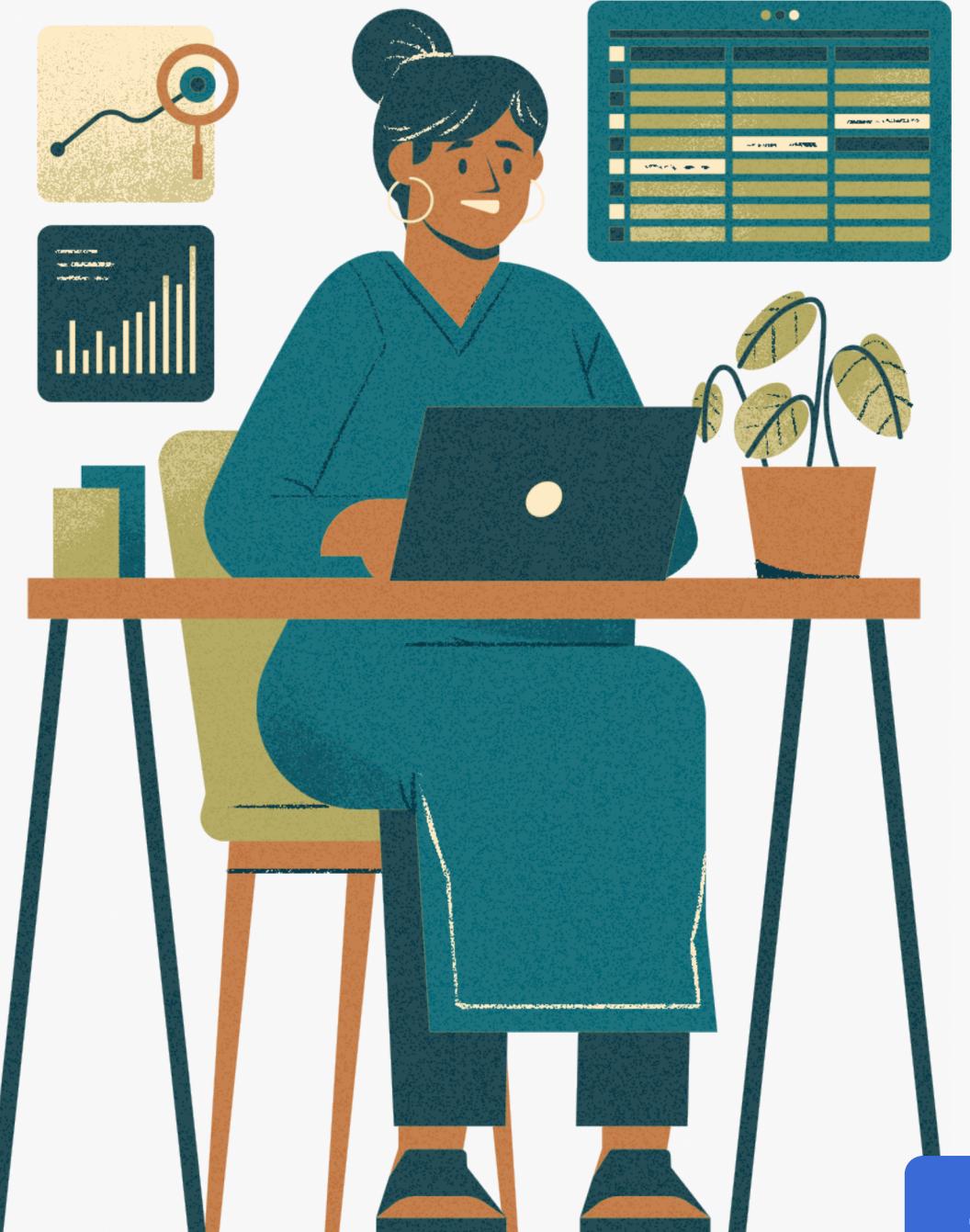


Task 02

Find out which companies offer the most remote job opportunities.

Task 03

Compare job postings from large companies vs. small companies in terms of salary and job types.



Task 4 :Advanced Skill & Education Analysis



Task 01

Perform a heatmap correlation analysis between job experience, salary, and education.



Task 02

Identify the most valued skills in high-paying jobs.



Task 03

Use clustering techniques to group similar job roles based on skills and salary range

Level 3:Power BI Dashboard Creation

Task 1: Salary and Experience Dashboard



Task 01

Create a Power BI dashboard visualizing salary range distributions across different job roles.



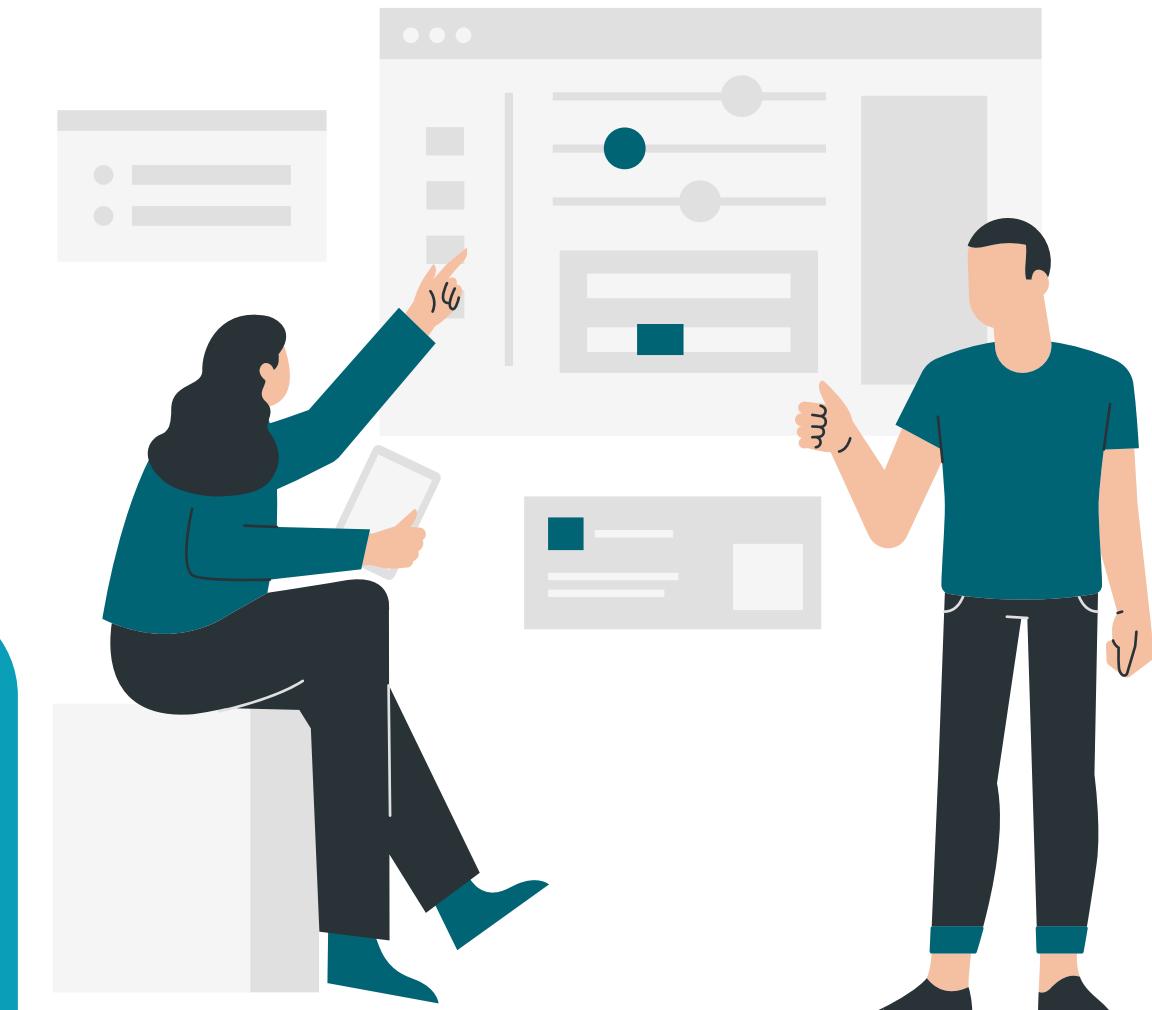
Task 02

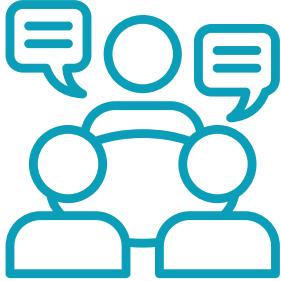
Add a heatmap visualization showing the relationship between experience required and salary offered.



Task 03

Implement a filter feature to analyze job trends for specific experience levels.





Task 2 :Location & Remote Work Insights



Task 01

Create a map visualization in Power BI showing job postings distribution across cities.



Task 02

Develop a comparison report of remote vs. onsite job postings.



Task 03

Build an interactive table showing top job locations with salary range filters.

Task 3: Application & Job Portal Insights



Task 01

Create a Power BI dashboard showing the number of applicants per job type.



Task 02

Implement a job portal comparison report based on applicants and job postings.



Task 03

Use slicers to allow users to filter applications by job title and company name.



Task 4 :Company and Skills Analysis



Task 01

Build a company-wise hiring trend dashboard in Power BI.



Task 02

Develop an interactive chart showing the most in-demand skills for each industry.



Task 03

Create a company size vs. salary range report to analyze company hiring trends.

Level 4:Power BI Insights & Forecasting

Task 1: Predictive Analysis on Job Market Trends



Task 01

Build a salary distribution dashboard with interactive percentile-based filters.



Task 02

Use Power BI to create a dynamic salary trend line filtered by experience and job location.



Task 03

Implement DAX measures to calculate median salary across industries.





Task 2 :Salary & Experience Advanced Analysis



Task 01

Implement DAX measures to calculate median salary across industries.



Task 02

Find the average experience required for each job type.



Task 03

Identify which salary range has the highest number of job postings and visualize it.

Task 3: Job Market Segmentation Dashboard



Task 01

Develop a clustered job segmentation dashboard based on skills and experience.



Task 02

Use AI-powered insights in Power BI to identify job roles with the highest demand.



Task 03

Create a dashboard comparing job trends in different industries over time.



Task 4 :Candidate & Employer Insights



Task 01

Design a company hiring behavior analysis using Power Bl.



Task 02

Create an interactive dashboard that recommends jobs based on skills using Power BI's AI features.



Task 03

Implement custom visualizations to track job applications and employer trends dynamically.

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