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OGTIP INTERNSHIP PROJECT

PROFESSOR
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Data Scientist, Oeson

PRESENTED BY
Oeson Private Limted

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Minakshi Gautam

Education

Ph.D. (P) NLP, M.Tech (Gold Medalist), B.Tech CS

Accomplishments

- Research on Predictive Modeling in the field of Marine Maintenance
- Research on Drone Technology, specialized in the field of Federated Learning
- International Research Paper published in reputed journals like Springer
- Researching on Google's Algorithm BERT (NLP)*

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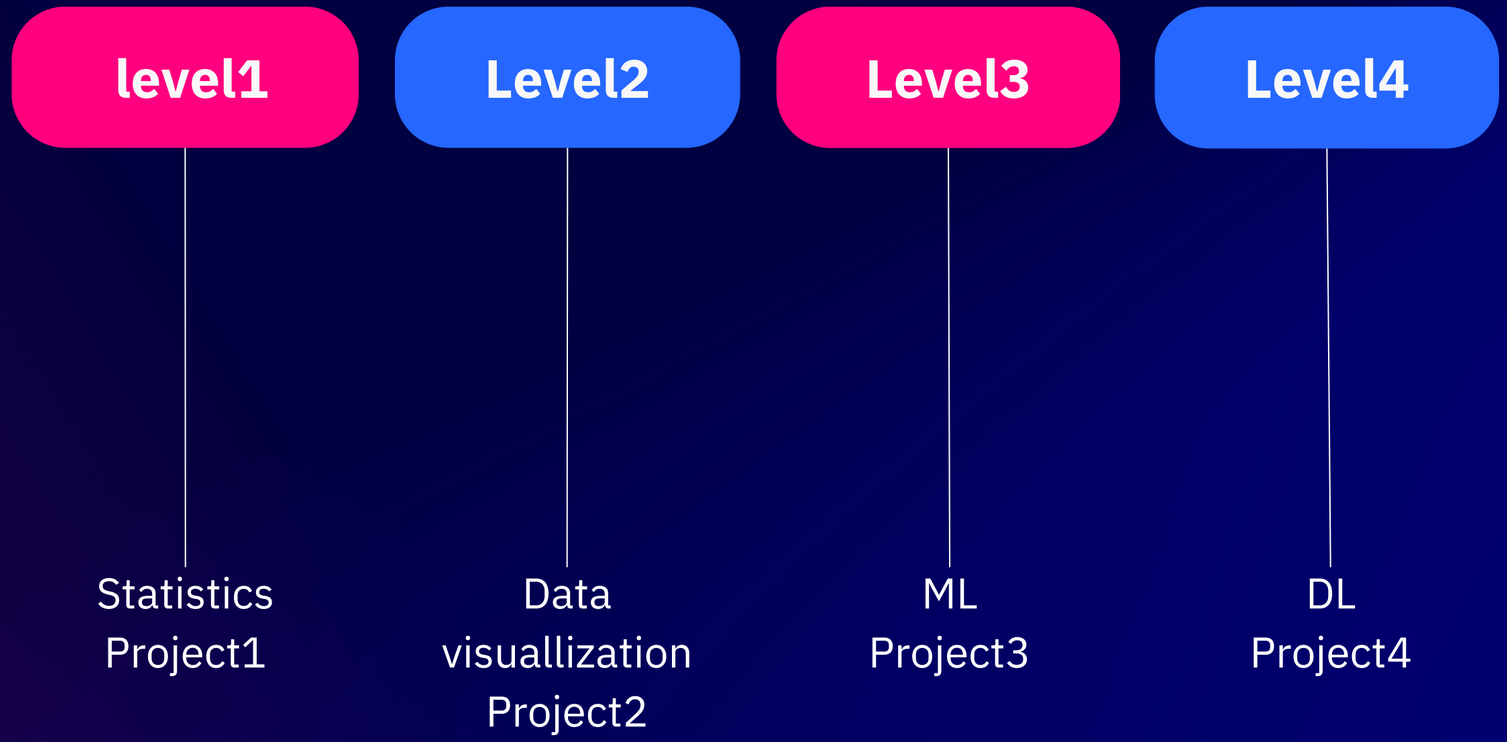
Projects Timeline

Upcoming project schedule



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Second Project

Preparing a Visualization report on the given Job portal dataset




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DATA SCIENCE BATCH-2023

Project 2

DATE: 11-01-24

Date of submission:17-01-24

Project Description

Problem Statement: You are given the dataset extracted from a famous job portal that explains the job status of various data-related jobs posted during the year 2023. The data explains the various job designations and related salaries from across the world. As a data scientist at Oeson, your job is to extract meaningful insight from this data to explain the actual remuneration each job title is providing across the globe. It will help recruiters understand the job requirements better in term

salaries across different levels of work experience so that they can get proficient profiles for any data-related requirement.

Data Description

work_year: The year in which the data was recorded. This field indicates the temporal context of the data, important for understanding salary trends over time.

job_title: The specific title of the job role, like 'Data Scientist', 'Data Engineer', or 'Data Analyst'. This column is crucial for understanding the salary distribution across various specialized roles within the data field.

job_category: A classification of the job role into broader categories for easier analysis. This might include areas like 'Data Analysis', 'Machine Learning', 'Data Engineering', etc.

salary_currency: The currency in which the salary is paid, such as USD, EUR, etc. This is important for currency conversion and understanding the actual value of the salary in a global context.

salary: The annual gross salary of the role in the local currency. This raw salary figure is key for direct regional salary comparisons.
salary_in_usd: The annual gross salary converted to United States Dollars (USD). This uniform currency conversion aids in global salary comparisons and analyses.

employee_residence: The country of residence of the employee. This data point can be used to explore geographical salary differences and cost-of-living variations.

experience_level: Classifies the professional experience level of the employee. Common categories might include 'Entry-level', 'Mid-level', 'Senior', and 'Executive', providing insight into how experience influences salary in data-related roles.

employment_type: Specifies the type of employment, such as 'Full-time', 'Part-time', 'Contract', etc. This helps in analyzing how different employment arrangements affect salary structures.

work_setting: The work setting or environment, like 'Remote', 'In-person', or 'Hybrid'. This column reflects the impact of work settings on salary levels in the data industry.

company_location: The country where the company is located. It helps in analyzing how the location of the company affects salary structures.

company_size: The size of the employer company, often categorized into small (S), medium (M), and large (L) sizes. This allows for analysis of how company

What you can visualize from the data?

- Get frequency of each year
- Get Average Salaries for each year
- Get frequency of job titles
- Get the top 10 most common data jobs
- Visualize average salaries by job titles and the top job_titles with highest average salaries and least average salaries
- Visualize Average Salaries for the most common job titles
- Visualize distribution of job categories
- Average Salaries by Job Category
- Visualize average salary in usd based on currency
- Visualize average salary based on employee residence and company location
- Visualize salary based on experience level
- Visualize average salary based on employment type, work setting and company_size

Project Task

1	Click here to download the dataset.
2	You are required to give descriptive stats about relevant fields in the data.
3	Plot charts to bring out necessary information from the dataset.
4	State your inference with relevant statement.
5	Make a proper presentation and a video of your work and post it on linkedin.Include a github link of your project in the post.

Submission Guidelines

Step # 1

Submit the task in the Google Form

Step# 2

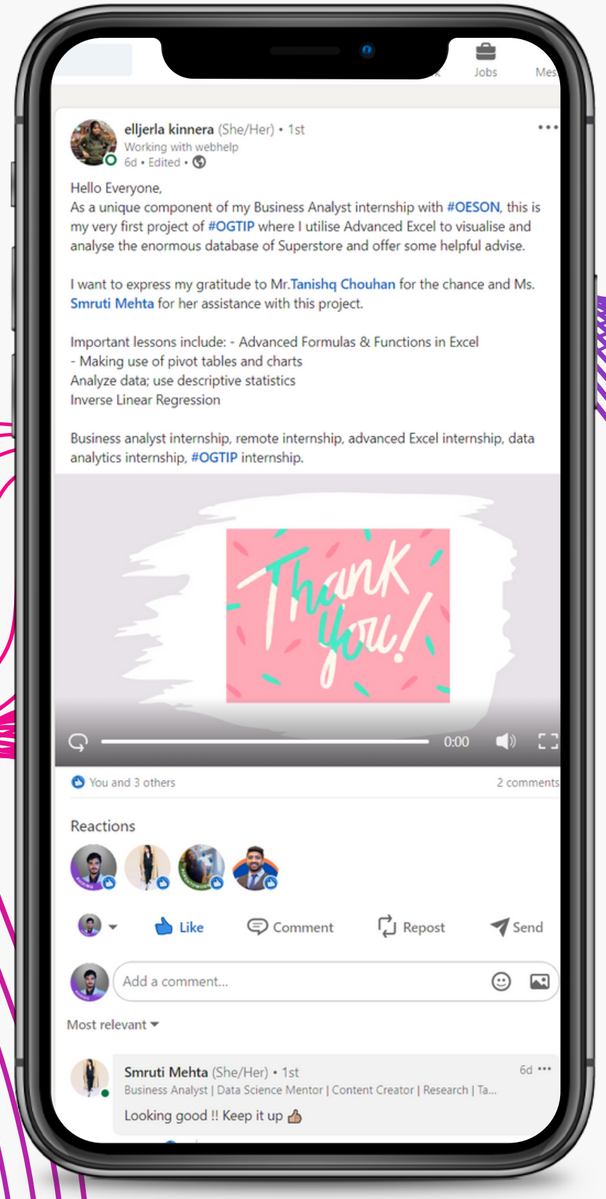
Create an explanatory video to showcase your effort. You could use voice over or typed text to explain your effort & post it over Linkedin.

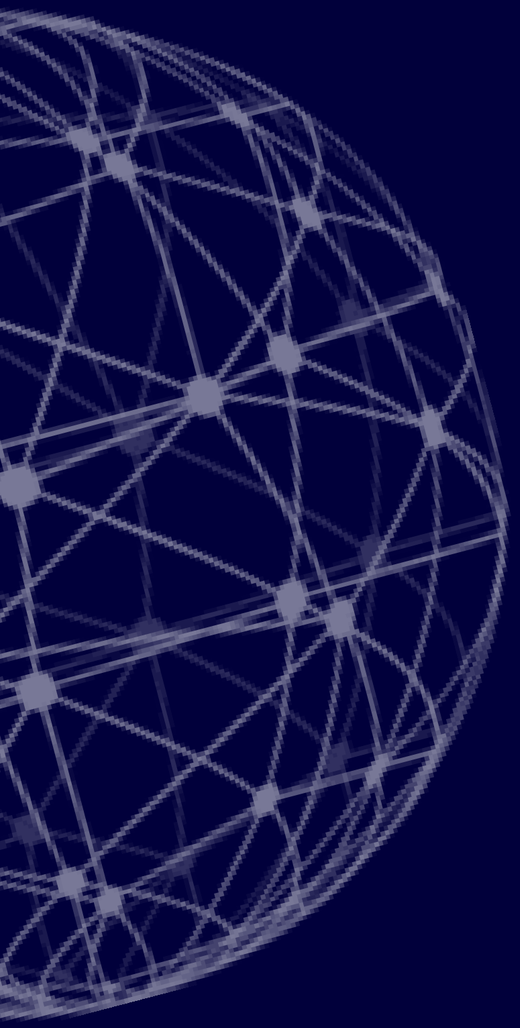
Step # 3

Mention @Oeson & #OGTIP,#Minakshi Gautam,#Tanishq Chouhan while posting your task on
LinkedIn. Also give a brief while recording the task video.

Step # 4

Comment on the task of your peers participating in the same batch.





Thank You