Resume Building and Mock Interview Session

ExcelR

Resume Building Tips

Guidelines / pointers while building an excellent resume:

▶ CV (2-3 pages) and resume (1 page summary)

▶ picture - friendly, professional picture (not a necessity)

▶ Essentials : email id, phone number, link of LinkedIn Profile, summary (data science proficiency oriented)

▶ Summary e.g. : Aspiring data scientist with proficiency in predictive modeling, SQL, python, PowerBI, Tableau, data processing, data mining techniques, statistics.

Websites :

▶ www.resume.com

▶ https://novoresume.com

▶ sample resume :

https://novoresume.com/career-blog/data-scientist-resume

Resume Building Tips

▶ Extras but good to have : Kaggle profile, Github profile

Links :

▶ https://www.youtube.com/watch?v=xrhPjE7wHas

▶ https://www.youtube.com/watch?v=e_4NJCjAJFE

Skills :

▶ Language & tools : Python, SQL, Tableau/ PowerBI

▶ Data science skills : data processing, data mining, ML algorithms, classification and regression algorithms, GBM, XGBoost, random forest

▶ Certifications

▶ Experience (professional background, internships)

▶ Projects : business need, how did you solve it using data science techniques, conclusion on how you helped the business

▶ Educational background

▶ Interests (not a necessity)

Resources

- Python - pandas, data manipulation, numpy, plotting, scikit-learn (Kaggle, towardsdatascience), Mode Analytics

- SQL for data analysis - mode analytics, LeetCode, StrataScratch

- Tableau Desktop - tutorials - 14 days free

- PowerBI (microsoft) - tutorials - free

- R - lot of resources online - r-bloggers, mode analytics

Different profiles in market

6 different profiles based on how data is collected, managed, processed, manipulated and represented :

▶ data engineer (big data)

▶ data analyst/ business analyst / tableau developer / business intelligence analyst (works on historical data)

▶ data scientist / decision scientist (everything that a data analyst does + predictive modeling)

▶ ML engineer (deployment of ml models)

▶ NLP engineer (textual data)

▶ Deep Learning engineer (sound, images)

Mock interview Topics

- Introduction / what made you interested in data science?/ explaining any gaps or previous experience

- projects

- scenario based questions on data science (data science project pipeline) / case studies

- SQL : w3schools, mode analytics https://mode.com/sql-tutorial/

- Python

- statistics

- ML algorithms (supervised and unsupervised)

Mock interview Topics

Blogs :

- Towardsdatascience / machinelearningmastery / analytics india magazine / analytics vidya / ML India

How to prepare :

- List all the topics. Read it and practice it from multiple blogs/forums. Crisp answers.

- **Domains & Business Problems** : Pharma (new drug launch, drug performance), Retail : (product placement, market basket analysis)

- **Generic business Objectives** : increase the sales, customer satisfaction, customer retention, customer loyalty, customer attrition, customer segmentation, pricing the products, product affinity

Job Portals

Applying for jobs / Job portals (in order of priority) :

- Support from ExcelR

- Referrals

- LinkedIn profile : profile summary, open to work, certifications, professional profile picture, projects (2-3 lines)

- LinkedIn connections : while sending connection request - add profile summary in note (including Skillsets)

- Naukri - keep updating it in every 2-3 days (it shows it as recently active). Summary section (**profile summary** mainly must look catchy, mention skillsets)

- Career section/email of different companies (especially startups)

- LinkedIn Jobs

Job Portals

- Facebook groups (search for such groups : analytics opportunities, data science, jobs, opportunities): https://www.facebook.com/groups/Analytics.Opportunities

- InstaHyre

- Angellist (https://angel.co/)

- Hirect App

- Blind

- Indeed / hire / monster / IIT IIM jobs

Mock Interview Topics and Questions

▶ Additional questions to those already in LMS.

▶ Introduction

▶ Projects and data science understanding

▶ explanation of projects completed

Business case studies :

▶ https://towardsdatascience.com/the-ultimate-guide-to-cracking-business-case-interviews-for-data-scientists-part-1-cb768c37edf4

▶ https://towardsdatascience.com/tagged/case-study

▶ https://data-flair.training/blogs/data-science-case-studies/

▶ https://bigdata-madesimple.com/6-of-my-favorite-case-studies-in-data-science/

Mock Interview Topics and Questions

Data science scenario based questions / general data science techniques

- credit card fraud prediction model

- what are steps involved in data science project? What is EDA? Missing values, outlier treatment, univariate bivariate analysis, checking correlation

- What is feature engineering? Types?

- What is overfitting and underfitting and how to remove it?

- What is variance, bias, variance-bias tradeoff?

Communication Skills
- Should be at least intermediate