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HOW TO BECOME “**DATA ANALYST**”

Introduction:

Present ee data-driven world lo information thelusukovadam important kadha, kani aa information antha raw data la untadi, alanti raw data ni clean chesi, oka organized manner lo gather chesukoni andulo unde useful insights ni extract chese valani data analyst ani antaru.

What they actually do?

Data lo unde insights ni extract chese valani analyst ani thelusukunam kada, veelu statistical methods and useful tools ni use chestharu. Aa insights lo unde trends and patterns ni identify chesi stackholders tho clear ga explain chestharu.

Roadmap:

Mari oka data analyst ela avvalo ippudu roadmap thelusukundam.

Excel: Asalu excel ni enduku use chesthamo thelusa.....manam data ni gather chesaka adhi manaku use avvali ante first asalu andulo unde waste data antha clean chesukoni manaku kavalsinatuga organize chesukovadaniki excel ni use chestham. Idhi manam clg lo use chese untam kada...so, manaku idi idea untadi kabbati mundu ga idhi nerchesukondi.

Resources:

- a) Excel Data Course – Simplilearn: [CLICK HERE](#)
- b) Data Analysis with Excel – Chandoo: [CLICK HERE](#)
- c) Excel Tutorial – Alex the Analyst: [CLICK HERE](#)
- d) Data Analytics with Excel – 360digiTMG: [CLICK HERE](#)

e) Practice Excel – Online: [CLICK HERE](#)

Aaaa..ippudu excel nerchukomannam kada ani o paalomani motham excel nerchesukoni thope avannakarledhu guru..just functions, advanced formulas, pivot tables, charts, power query, ilantivi nerchukovali. Ippudu excel nerchukunaka interviewer mimmalni babu neeku excel vacha ante aa vachu sir evaru nammaru kani mimalni nammali ante miru nerchukunna skills ni oka project chesi valaki chupisthe aa parledu vidiki talent undhi ani ninnu gurthistharu. So, do a good project.

PowerBI or Tableau: Ee powerbi, ee tableau lanti tools ni manam data visualization tools ani antam, asalu veetini ala enduku pilustham ante mana collect chesina organize data ni manaku visualize chesi chupinchadaniki use cheseve ee tools anduke aa name.

Resources:

- a) PowerBI Course – Pawan Lalwani: [CLICK HERE](#)
- b) PowerBI Full Course – WsCube Tech: - [CLICK HERE](#)
- c) PowerBI Project for Beginners – Codebasics: [CLICK HERE](#)
- d) PowerBI Tutorials – Alex the Analyst: [CLICK HERE](#)
- e) Data Analytics using PowerBI – 360DigiTMG: [CLICK HERE](#)
- f) Beginner to Pro DataAnalysis using PowerBI – Chandoo: [CLICK HERE](#)

Okavela meeku kani ee rendintilo edhi nerchukovali ani doubt unte once okasari research cheseyandi meeke oka idea vasthadi PowerBI a koncham demand ekkuva undi ani.

Mathematics: Ippudu kasepu manam pakkana pettesina maths ni nerchukundam, asalu maths enduku manaku antha avasaram antara ante? Avasaram mari...data ni ardam chesukovadaniki, cleaning and preparing ki, inka results ni interpret cheyadaniki kuda maths ni use chestham saaar. Mari ekkada nerchukovalo ippudu chudam.

Resources:

- a) Business maths and Statistics – CodeBasics: [CLICK HERE](#)
- b) Maths and Statistics – CodeBasics: [CLICK HERE](#)
- c) Useful Maths – Playlist: [CLICK HERE](#)
- d) Maths for data science – website: [CLICK HERE](#)
- e) Maths is fun – webstite: [CLICK HERE](#)

- f) Statistics – freecodecamp.org: [CLICK HERE](#)
- g) Simplestatistics – Website: [CLICK HERE](#)
- h) Stat Trek – website: [CLICK HERE](#)

Miru ikkada nerchukune maths laga college lo one day batting laga chesedam ante kudradhu mama...miru entha practice chesthe antha manchidi. Mi crush mimalni neglect chesinatu miru ee maths ni neglect cheyakandi (just kidding).

4. **SQL:** Oka sql ante thelusuga okavela theliyapotha ee reel ni chudandi. ([click here](#))

Resources:

1. SQL & Data Analytics for Beginners – DataDash: [CLICK HERE](#)
2. SQL Complete Course – Simplilearn: [CLICK HERE](#)
3. SQL for Data Analytics – 360DigiTMG: [CLICK HERE](#)
4. SQL for Data Analysis – Matador Software: [CLICK HERE](#)
5. Blog for SQL – devart: [CLICK HERE](#)

SQL nerchukovadam data analyst ki chala important mama, indulo mari high level varaku emi vellanavasaram ledhu...basic queries paina oka manchi grip thechukoni oka manchi project chesthe chalu mama.

Python: Indulo useful libraries like numpy, pandas, Matplotlib, Seaborn etc undadam valla data ni analyse chesi visualize cheyadaniki python ni use chestham. Mana data analysis lo repetitive tasks ekkuva untayi vatini python tho automate cheseyachu alane indulo scalability kuda easy chesukovachu ante mana projects ni batti large number of datasets ni easy ga handle chesthundi ee python.

Manam variables, lists, tuples, dictionaries, conditional statements, file handling, classes, objects ilantivi nerchukovali. Data analysis kosam python nerchukovadaniki kindha resources list check cheyandi.

Resources:

1. Data Analysis with python – geeksforgeek: [CLICK HERE](#)
2. Data Analysis with python – freecodecamp.org: [CLICK HERE](#)
3. Python for Data Science – The iScale: [CLICK HERE](#)
4. Python for Data Analysis – Datadraft: [CLICK HERE](#)
5. Dataanalytics with python – IIT Roorkee: [CLICK HERE](#)
6. Data analyst in python – Dataquest: [CLICK HERE](#)

Python or R rendu data analyst use chese languages a kani koncham research chesthe python ki koncham ekkuva demand undhi anduke ikkada only python gurinchi mathrame mention chesanu.

Resume: Manaku manchi jobs ravali ante mana resume plays a key role here, edo random resume chesesi anni jobs ki apply chesthe miru shortlist ayye chance chala thakkuva...shortlist avvali ante correct resume undali. Correct resume ante job description lo unna keywords and skills mana resume lo incorporate cheseyadam, alane miru mi experience ni emina mention cheyali anukunte, **STAR** (Situation, Task, Action, Result) **method** use chesi description rayandi...alage portfolio links add cheyadam marchipokandi.

Mari Mana resume ni ela ready chesukovali ante chesina resume ats proof undo ledho ani ela theluthadi? use these websites.

Resources:

1. Resume Scanner – 1: [CLICK HERE](#)
2. Resume Scanner – 2: [CLICK HERE](#)
3. Resume Maker – 1: [CLICK HERE](#)
4. Resume Maker – 2: [CLICK HERE](#)
5. Resume Maker – 3: [CLICK HERE](#)

ee resume makers inka chala unnayi mi preference miru choose chesukoni resume ni build chesukovachu....kani ready ayina resume ni ats scan cheyadam mathram marchipokandi, it will increase your chance of accepting the resumes.

Sample Resume: [Click Here](#)

Portfolio: Ee portfolios ante emi ledhu mama ni digital form of resume annamata..nuvu chesina projects ni portfolios lo publish chesthe recruiter nuvu emi projects chesavo ani ee portfolios chusi thelusukuntaru so compulsory ga manchi portfolio undadam manchidi. Add cheyammanam kada ani edhi padithe add chesthe recruiter antha information chuse antha time undadu so keep the best work.

- Ithe miku mire mi own ga website build chesukoni andulo mi work ni publish chesukovachu ledante konni portfolio websites untayi andulo nundi miru build chesukovachu.

Resources:

1. LinkedIn: [CLICK HERE](#)
2. Github: [CLICK HERE](#)
3. Kaggle: [CLICK HERE](#)

Data analysts' portfolios idea kavali ante [CLICK HERE](#)

LinkedIn: Manam LinkedIn ni right way lo optimize chesukoni mana industry lo unde prominent people ni follow ayyi vaalu ela vala career ni build chesaru valaki elanti skills unnayi, elanti projects chesaru ivvani manam linkedin dwara thelusukovachu, alane miru social medias lo active unnatu linkedin lo active ga undi mi knowledge or views ni platform lo share chesukunte miku ekkuva reach vachi HRs a mimalani approach aye chances ekkuva.

Resources:

- a. Resume Worded: [CLICK HERE](#)
- b. Jobscan: [CLICK HERE](#)
- c. Hiration: [CLICK HERE](#)

Business Knowledge: Data Analyst ki undalsina inkoka main knowledge, Business fundamentals....endukante nuvu analyse chesina data ni, company growth kosam use chesthav. Neeku business fundamentals vachi oka phalana company ela move avuthundi ela grow ayindhi ani nuvu thelusukunte aa knowledge use chesi ni company growth ki help cheyachu.

Interview Preparation: Inni chesaka...inni nerchukunaka....next kottalsindi oka manchi job a kada...dhaniki miru enta baga prepare ithe antha manchidi. Miku emina specific company lone work cheyali ani goal unte kanuka or else miru Edina company interview attend ayyetapudu, company name + interview questions ani search chesi prepare avvandi. Meeku practice avvadam kosam ikkada konni websites isthunanu andulo nundi mi practice start cheyandi.

Resources:

- a. Analytics Test: [CLICK HERE](#)
- b. SQLBolt: [CLICK HERE](#)
- c. StackExchange: [CLICK HERE](#)
- d. StrataScratch: [CLICK HERE](#) etc

meeku inka emina thelisthe maaku message cheyandi.

See..Data field lo job kottali ante antha simple kaadu endukante it's a always growing field, years mare kodhi data anedhi increase avuthune untadi to handle those data, new technologies will be introduced. Miru ee field lo long run lo undali ante miru eppatikapudu kotha kotha trends thelusukuntu mimalani miru update chesukuntu undali. Data Analysts lone undi kadha name data ni analyse chesi andulo unde trends ni extract chese vadu ani dhani kosam simple ga tools use chesethe ayipodhu, you need to analytical brain to find out the hidden trends.

Projects: Miru nerchukunna knowledge ni real world application lo petti oka manchi project chesthe,,, adhi mi resume paina reflect avuthadi miru oka project chese mundu miru elanti specialization loki enter avudam ani anukuntunaru ani research chesi thelusukoni tharuvatha dhaniki related ga projects cheyadam manchidi, so that miku better scope untadi to get selected. Okavela ettu side vellalo idea lekapothe oka general project chesina manchide, for project ideas check the below list.

Resources:

- a. Datacamp Projects list: [Click here](#)
- b. Springboard Project List: [Click here](#)
- c. AnalyticsVidhya Project List: [Click here](#)
- d. Projectpro Project list: [Click here](#)
- e. Projects with Python: [Click here](#)
- f. Dataquest projects list: [Click here](#)
- g. Projects Playlist: [Click Here etc](#)

For suppose meeku oka manchi project nachindi kani dhani miru improve cheyali ani anukuntaru or else ade idea tho inko project chedam anukuntunaru kani ela start cheyalo ani idea rakapothe ... chatgpt, google bard, perplexity, lanti ai models help thisukondi. Miru mi project idea cheppi dhani ela improve cheyachu, aa project complete cheyadaniki emi emi resources kavalo ani dhanne adigithe meeku clear ga explain chesi roadmap kuda chepthundi.

Jobs: Present unna conditions ki market lo jobs karuvu vachindi ani manaku thelusu kada...miru jobs ki apply chesi vaati offer letter kosam wait chese time ki manam skills ni kuda develop chesukovachu. Miru full time job chese mundu edina intern ga cheyachu or else freelancer ga work cheyachu..ippudu manam konni websites ippudu thelusukundam.

Resources:

- a. Toptal: [Click Here](#)
- b. Fiverr: [Click Here](#)
- c. LinkedIn: [Click Here](#)
- d. Upwork: [Click Here](#) etc

Useful Websites:

- 1. Kaggle
- 2. Google Trends
- 3. kdnuggets
- 4. Excalidraw
- 5. Github
- 6. Stackoverflow
- 7. Datasciencecentral
- 8. dataconomy
- 9. Dataspace etc

Useful Youtube Channels:

- 1. alex the analyst
- 2. learn with lukas
- 3. codebasics
- 4. techTFQ
- 5. luke barousse
- 6. Krish Naik etc

Some Useful Certificates: General ga certificates mana profile lo unte manchidega kakapothe certificates build chesukovali ante koncham costly annamata. Miru mostly ee certificates ni coursera nundi course chesi certificate thechukovachu kani aa certificate kavali ante money kattali, kani kattakunda certificate ela thechukovalo thelusuga? Theliyakapothe maku message cheyandi.

Resources:

- a. Google Data Analytics Professional Certificate – Coursera: [Click Here](#)
- b. IBM Data Analyst Professional Certificate – Coursera: [Click Here](#)
- c. PowerBI Data Analyst Associate - Microsoft: [Click Here](#)
- d. Data analytics Certificates – Youtube: [Click Here](#)
- e. Data Analytics Essentials – Cisco: [Click Here](#)

Useful Playlists:

Intha roadmap follow avvadam mana valla ayye pani la ledhe paiga pisical ga mental ga strainu ani anukunte...check the below links aa playlists lo almost complete information andulo untadi.

Resources:

- a. Data Analyst Course | Beginner's to Advance - IHHPET: [Click Here](#)
- b. Data Analytics FULL Course for Beginners to Pro in 29 HOURS - WsCube Tech: [Click Here](#)
- c. Data Analyst Bootcamp - Alex the analyst: [Click Here](#)
- d. Data Analytics Tutorial For Beginners Complete Course - MyLesson: [Click Here](#)
- e. Data Analytics Full Course - Simplilearn: [Click Here](#)
- f. IBM Data Analyst Complete Course - MyLearn: [Click Here](#)
- g. Data analytics: Edureka: [Click Here](#)

Idhi mari matter, Miru data analyst avvaniki use ayye complete resources ni ikkada provide chesam anukuntunam. Idhi just oka general roadmap anthe miru apply chese role batti nerchukovalsina technologies maruthuntayi, so do good research.

Ee document ni ready cheyadaniki chala time pattindhi mama...I know miru konesaru kabbati mi friends ki free ga share chesestharu ani but **once** just **once** miru free ga share chese mundu ma **hardwork** ni okasari alochinchandi, manam night antha kastapadi homework chesi mrng mana kannu pakkanodiki ekkuvu marks vasthe next time aa efforts pettagalama? I know idhi koncham over anipinchachu but ee document kosam padma kastam alantidi.

Meeku ilanti useful information kavali ante ippude ma page ni follow ayipondi, peru gurthundi ga **SURFBOARD** ([click here to follow](#))