

```
[(base) raghavraahul@Raghavs-MacBook-Pro deep_research % python graph4.py --target "Vijay Mallya" --interactive --max_iterations 2
topics in state: ['identity', 'professional_timeline', 'legal_regulatory', 'risk_inconsistencies']
```

```
--- Disambiguation round 1/3 ---
```

```
Candidates:
```

- 1) Vijay Vittal Mallya
 - Indian businessman and former politician, known for financial controversies and extradition efforts by the Indian Government.
 - confidence: 0.9
 - https://en.wikipedia.org/wiki/Vijay_Mallya
 - Indian businessman
 - former politician
- 2) Sidhartha Vijay Mallya
 - Actor and author focusing on mental health promotion, son of Vijay Mallya.
 - confidence: 0.8
 - https://en.wikipedia.org/wiki/Sidhartha_Vijay_Mallya
 - actor
 - author

```
Question: Are you referring to Vijay Mallya, the businessman and former politician, or Sidhartha Vijay Mallya, the actor and author?
```

```
Select [1-2], (h) hint, (s) skip, or Enter to stop: 1
```

```
Chosen: Vijay Vittal Mallya
```

```
topics_to_work: ['identity', 'professional_timeline', 'legal_regulatory', 'risk_inconsistencies']
```

```
planned queries: 6
```

- Vijay Mallya date of birth | {'kind': 'topic', 'topic': 'identity'} | date_of_birth
- Vijay Mallya nationalities | {'kind': 'topic', 'topic': 'identity'} | nationalities
- Vijay Mallya associated organizations | {'kind': 'topic', 'topic': 'identity'} | associated_orgs
- Vijay Mallya professional roles and employers | {'kind': 'topic', 'topic': 'professional_timeline'} | roles
- Vijay Mallya criminal records or legal cases | {'kind': 'topic', 'topic': 'legal_regulatory'} | criminal_records
- Vijay Mallya regulatory actions or sanctions | {'kind': 'topic', 'topic': 'legal_regulatory'} | regulatory_actions

```
new_eids: 18
```

```
new_claims: 23
```

```
TOPICS_TO_WORK: ['identity', 'professional_timeline', 'legal_regulatory', 'risk_inconsistencies']
```

```
MISSING_FIELDS: {'identity': ['name_variants', 'date_of_birth', 'nationalities', 'general_location', 'associated_orgs'], 'professional_timeline': ['roles', 'employers', 'board_positions', 'education', 'role_dates'], 'legal_regulatory': ['criminal_records', 'civil_cases', 'regulatory_actions', 'sanctions_list_mentions', 'court_roles'], 'risk_inconsistencies': ['identity_conflicts', 'employment_conflicts', 'ownership_conflicts', 'timeline_gaps', 'misrepresentation_indicators']}
```

```
SAMPLE_COMPACT CLAIMS: [
```

- ```
{
 "id": "clm_1",
 "type": null,
 "text": null,
 "confidence": 0.9,
 "evidence_ids": [
 "ev_3e34cdec85"
],
 "entity_refs": [],
 "when": null
,
{
 "id": "clm_2",
 "type": null,
 "text": null,
 "confidence": 0.9,
 "evidence_ids": [
 "ev_3e34cdec85"
],
 "entity_refs": [],
 "when": null
,
{
```



```
{
 "id": "clm_2",
 "type": null,
 "text": null,
 "confidence": 0.9,
 "evidence_ids": [
 "ev_86009da89f"
],
 "entity_refs": [],
 "when": null
},
{
 "id": "clm_3",
 "type": null,
 "text": null,
 "confidence": 0.85,
 "evidence_ids": [
 "ev_0eff346ea4"
],
 "entity_refs": [],
 "when": null
}
]
SAMPLE_EVID_SNIPS: [
 [
 "ev_86009da89f",
 {
 "title": "Mallya.APPROVED.pdf",
 "url": "https://www.judiciary.uk/wp-content/uploads/2020/04/Mallya.APPROVED.pdf",
 "snippet": "evidence is recited against the Appellant of false representations, in the following terms: \u201cIn order to induce the consortium member banks to sanction and disburse the Term Loans /Corporate Loans aggregating to Rs. 2000 Crores, which also included the Corporate Loan of Rs. 500 Crores sanctioned by State Bank of India and Rs. 750 Crores sanctioned b"
 }
],
 [
 "ev_0eff346ea4",
 {
 "title": "Vijay Mallya - Wikipedia",
 "url": "https://en.wikipedia.org/wiki/Vijay_Mallya",
 "snippet": "Mallya is on bail since his arrest on an extradition warrant in April 2017. Mallya is fighting an extradition case in the UK. On 16 June 2018 Vijay Mallya was ordered to pay \u00a3200, 000 (\u20b918.1 million) to Indian banks by a United Kingdom court. He was also asked to pay money towards registration of worldwide freezing order and of Karnataka's Debt Reco"
 }
]
]
patch topic_updates=6 | roles_updates=0
```

Done. Topic status:

- identity: complete | missing: []
- professional\_timeline: partial | missing: ['role\_dates']
- legal\_regulatory: partial | missing: ['court\_roles']
- risk\_inconsistencies: unstarted | missing: ['identity\_conflicts', 'employment\_conflicts', 'ownership\_conflicts', 'timeline\_gaps', 'misrepresentation\_indicators']

=====

FINAL SUMMARY REPORT

=====

TARGET

-----

- raw\_input: Vijay Mallya
- canonical\_name: Vijay Vittal Mallya
- chosen\_candidate\_id: cand\_1

IDENTITY

-----

```
- https://www.famous-entrepreneurs.com/vijay-mallya
```

#### PROFESSIONAL\_TIMELINE

```

- status: partial
- missing_fields: ['role_dates']
- populated_fields:
- roles: ['Former Chairman of United Spirits', 'Chairman of United Breweries Group']
- sources:
- https://en.wikipedia.org/wiki/Vijay_Mallya
- employers: ['United Breweries Group', 'Mendocino Brewing Company, Inc.', 'UBICS, Inc.']
- sources:
- https://en.wikipedia.org/wiki/Vijay_Mallya
- https://www.marketscreener.com/insider/VIJAY-MALLYA-A00XLV/
- board_positions: ['Chairman of United Breweries Group', 'Chairman of Mendocino Brewing Company, Inc.', 'Director/Board Member of Cineblitz Productions Pvt Ltd.'][br/>- sources:
- https://en.wikipedia.org/wiki/Vijay_Mallya
- https://www.marketscreener.com/insider/VIJAY-MALLYA-A00XLV/
- education: ['Bachelor of Arts / Science from Calcutta University']
- sources:
- https://www.goodreturns.in/vijay-mallya-net-worth-and-biography-blr4404.html
- role_dates: []
```

#### LEGAL\_REGULATORY

```

- status: partial
- missing_fields: ['court_roles']
- populated_fields:
- criminal_records: ['Charged in loan default case']
- sources:
- https://www.reuters.com/article/world/kingfisher-tycoon-vijay-mallya-charged-in-loan-default-case-idUSKBN1581J6/
- civil_cases: ['Ordered to pay £200,000 to Indian banks by a UK court']
- sources:
- https://en.wikipedia.org/wiki/Vijay_Mallya
- regulatory_actions: ['Declared a proclaimed offender']
- sources:
- https://en.wikipedia.org/wiki/Vijay_Mallya
- sanctions_list_mentions: ['Extradition case in the UK']
- sources:
- https://en.wikipedia.org/wiki/Vijay_Mallya
- court_roles: []
```

#### RISK\_INCONSISTENCIES

```

- status: unstarted
- missing_fields: ['identity_conflicts', 'employment_conflicts', 'ownership_conflicts', 'timeline_gaps', 'misrepresentation_indicators']
- populated_fields:
- identity_conflicts: []
- employment_conflicts: []
- ownership_conflicts: []
- timeline_gaps: []
- misrepresentation_indicators: []
```

#### GAPS

```

- professional_timeline: missing ['role_dates']
- legal_regulatory: missing ['court_roles']
- risk_inconsistencies: missing ['identity_conflicts', 'employment_conflicts', 'ownership_conflicts', 'timeline_gaps', 'misrepresentation_indicators']
```

#### Top leads:

```
- (p=0.8) depth=1 status=open :: Investigate Vijay Mallya's current legal status
- (p=0.7) depth=1 status=open :: Investigate Vijay Mallya's board positions and roles
```

```
(base) raghavraahul@Raghav's-MacBook-Pro deep_research %
```

=====  
FINAL SUMMARY REPORT  
=====

TARGET

-----  
- raw\_input: Vijay Mallya  
- canonical\_name: Vijay Vittal Mallya  
- chosen\_candidate\_id: cand\_1

IDENTITY

-----  
- status: complete  
- populated\_fields:  
- name\_variants: ['Vijay Vittal Mallya']  
- sources:  
- https://en.wikipedia.org/wiki/Vijay\_Mallya  
- date\_of\_birth: ['December 18, 1955']  
- sources:  
- https://en.wikipedia.org/wiki/Vijay\_Mallya  
- nationalities: ['Indian']  
- sources:  
- https://en.wikipedia.org/wiki/Vijay\_Mallya  
- general\_location: ['United Kingdom']  
- sources:  
- https://en.wikipedia.org/wiki/Vijay\_Mallya  
- associated\_orgs: ['United Breweries Group', 'Kingfisher Airlines']  
- sources:  
- https://en.wikipedia.org/wiki/Vijay\_Mallya  
- https://www.famous-entrepreneurs.com/vijay-mallya

PROFESSIONAL\_TIMELINE

-----  
- status: partial  
- missing\_fields: ['role\_dates']  
- populated\_fields:  
- roles: ['Former Chairman of United Spirits', 'Chairman of United Breweries Group']  
- sources:  
- https://en.wikipedia.org/wiki/Vijay\_Mallya  
- employers: ['United Breweries Group', 'Mendocino Brewing Company, Inc.', 'UBICS, Inc.']  
- sources:  
- https://en.wikipedia.org/wiki/Vijay\_Mallya  
- https://www.marketscreener.com/insider/VIJAY-MALLYA-A00XLV/  
- board\_positions: ['Chairman of United Breweries Group', 'Chairman of Mendocino Brewing Company, Inc.', 'Director/Board Member of Cineblitz Productions Pvt Ltd.']  
- sources:  
- https://en.wikipedia.org/wiki/Vijay\_Mallya  
- https://www.marketscreener.com/insider/VIJAY-MALLYA-A00XLV/  
- education: ['Bachelor of Arts / Science from Calcutta University']  
- sources:  
- https://www.goodreturns.in/vijay-mallya-net-worth-and-biography-blr4404.html  
- role\_dates: []

LEGAL\_REGULATORY

-----  
- status: partial  
- missing\_fields: ['court\_roles']  
- populated\_fields:  
- criminal\_records: ['Charged in loan default case']  
- sources:  
- https://www.reuters.com/article/world/kingfisher-tycoon-vijay-mallya-charged-in-loan-default-case-idUSKBN1581J6/  
- civil\_cases: ['Ordered to pay £200,000 to Indian banks by a UK court']  
- sources: