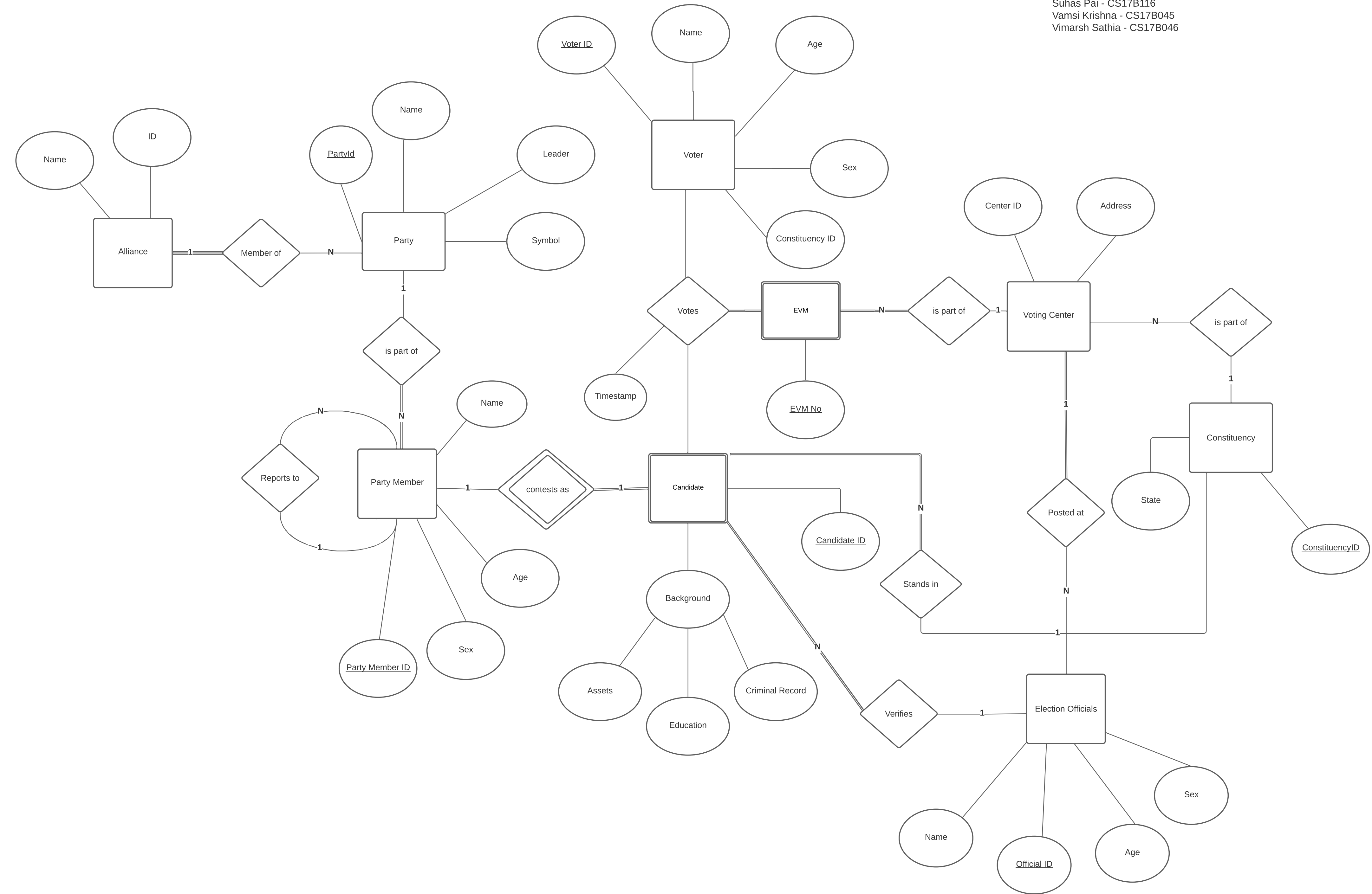
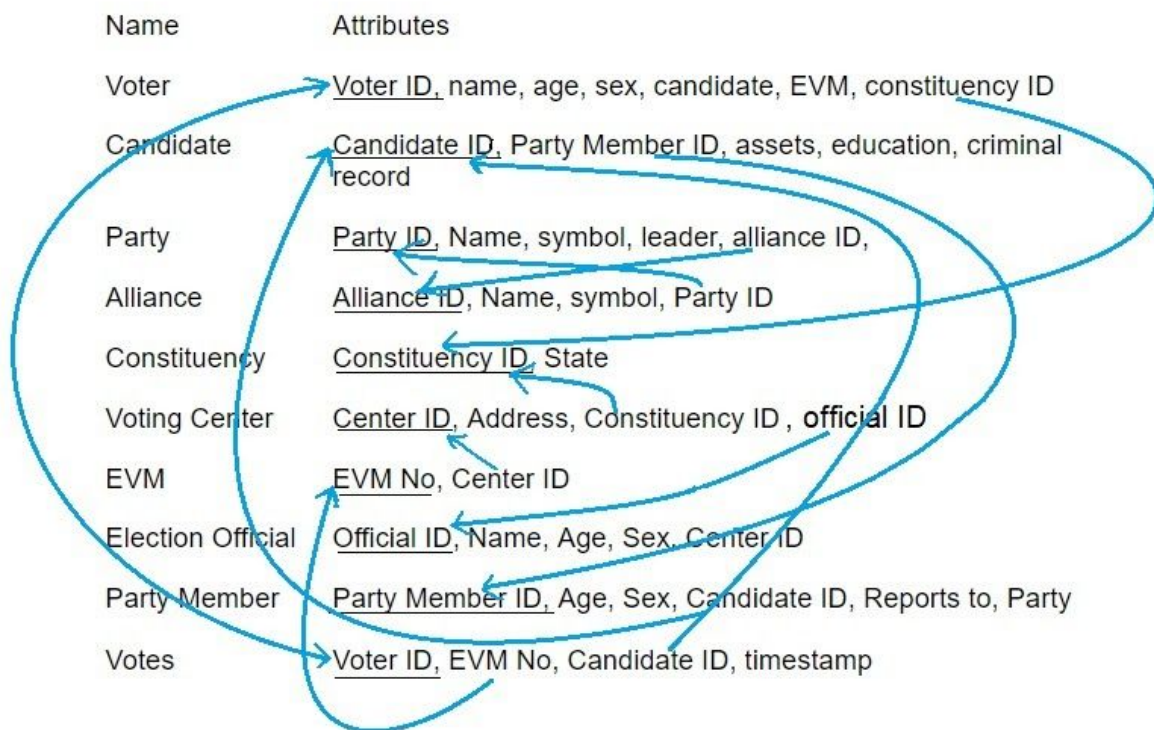


Election System ER Diagram

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Domain Description:

The database is designed to model the Indian electoral process.

Elections are conducted for choosing elected representatives for each **constituency**. Each state is divided into multiple **constituencies**. Each constituency is assigned a unique constituency ID.

Each **constituency** can have multiple **voter centers**, and each voter center is identified by a center ID. A voter center located at a particular address, is presided over by an **Election Official**. Multiple **EVMs** are present at the center for the purpose of voting.

Each **voter** votes on a particular **EVM**, which records the time of the vote as well. A particular EVM No. is assigned to ensure the election integrity.

There are **election officials** deployed to monitor each of the **voter centers**. They also have the additional functionality of verifying each candidate's bio-data/background. The election officials have to submit their name, age and sex, after which they are assigned a Official ID.

A **voter** votes for a registered **candidate** contesting in a **constituency**. Each voter is identified by his/her VoterID, name, age and sex. The voter casts his vote for his preferred constituency candidate at an **EVM** allotted at his appropriate voting center.

Several candidates contest for a given constituency, each having a unique candidate ID. Each candidate in turn is a **party member** chosen to represent a party. Independent candidates are assumed to be a part of their own party. The candidate's background is verified by an **election official**.

Party members are identified by their party IDs, name, age and sex. Members double up as candidates standing for elections as well. Members report to other members in the party, ensuring hierarchy within.

Each **party** has a unique party ID and symbol and is headed by a leader. Parties could also be single member organizations associated with independent candidates. Several parties may collude and form an **alliance**. Each alliance has its own name.