Project Design Phase – I

Solution Architecture

Date	06-10-2022
Team ID	PNT2022TMID13046
Project Name	University Admit Eligibility Predictor
Maximum marks	4 Marks

Architectural Workflow:

User view:

- User given college inputs at the interface at home page
- Entered input is sent to the classifier model for prediction
- Then the model classifies the input and segregates label
- Then the predicted value is displayed at the UI

Model view:

```
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                 │  ┌──────────────┐   ┌──────────────┐   ┌──────────────┐  │
  ┌─────────┐    │  │ Visualisation│──▶│   Handling   │──▶│ Encoding the │  │
  │  Data   │───▶│  │              │   │missing values│   │  categorical │  │
  └─────────┘    │  └──────────────┘   └──────────────┘   │    values    │  │
                 │                                         └──────────────┘  │
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                              ┌───────────────────────┐
                              │  Extract other features│
                              └───────────────────────┘
                                          │
                                          ▼
                              ┌───────────────────────┐
                              │     Data splitting     │
                              └───────────────────────┘
```

- Data
- Visualisation
- Handling missing values
- Encoding the categorical values
- Extract other features
- Data splitting
- Training Random forest classifier
- Deployed model
- Getting input from user
- Displaying the prediction