PARSHVANATH CHARITABLE TRUST'S

A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Data Science

JOBNAVIGO

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Project Guide -

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➢ Introduction:

- The Online Job Portal is a user-friendly website designed to connect job seekers with job recruiters providing opportunities
- Recruiters have the capability to post job listings according to their specific requirements
- An admin oversees the entire system, ensuring data accuracy and maintaining overall control
- Problem statement: Overwhelming job and internship search in competitive marketing
- Solution proposed: Personalized job matchmaker connecting users to relevant opportunities

➢ Objectives:

1. Ease the connection between individuals seeking employment opportunities and companies looking to hire
2. Provide an easy-to-use platform with advanced search and filtering options for job seekers to find relevant job postings
3. Display latest jobs available to the user
4. Simplify the process for recruiters to create, edit, and remove job postings while ensuring they contain detailed and accurate information

➢ Scope:

- Display accurate list of job openings with basic details such as job title, location and company name
- Provide detailed job information that includes a brief description, application deadline, and contact information
- Allow users to create profiles with their basic information and a way to apply for jobs according to their preference
- To avoid complex features found in comprehensive job search apps

➢ Features:

- **User-Friendly Interface**:
  Enable easy job discovery through keywords, location, and filters
- **Resume & Profile Management**:
  Allow users to create, edit, and store resumes and profiles for quick job applications
- **Application Tracking**:
  Helps recruiters organize interviews and check application statuses
- **Notifications & Alerts:**
  Send timely updates, new job listings, and interview invitations
- **Streamlined Experience**:
  Enhance the job application process for job seekers and employers

➢ Outcome of the project:

- Increased chances of job seekers finding positions that match their career goals
- Improved job search experience and user satisfaction
- Personalized job suggestions based on a user's skills and qualifications
- Potential reduction in the time and effort required for job hunting
- Potential cost savings for employers by reducing the need for extensive job advertising.

➢ Technology Stack :

1. FRONT END :-

- HTML 5
- CSS 4.15
- BOOTSTRAP

2. BACK END

- Django 4.2.5

➢ Algorithms used:

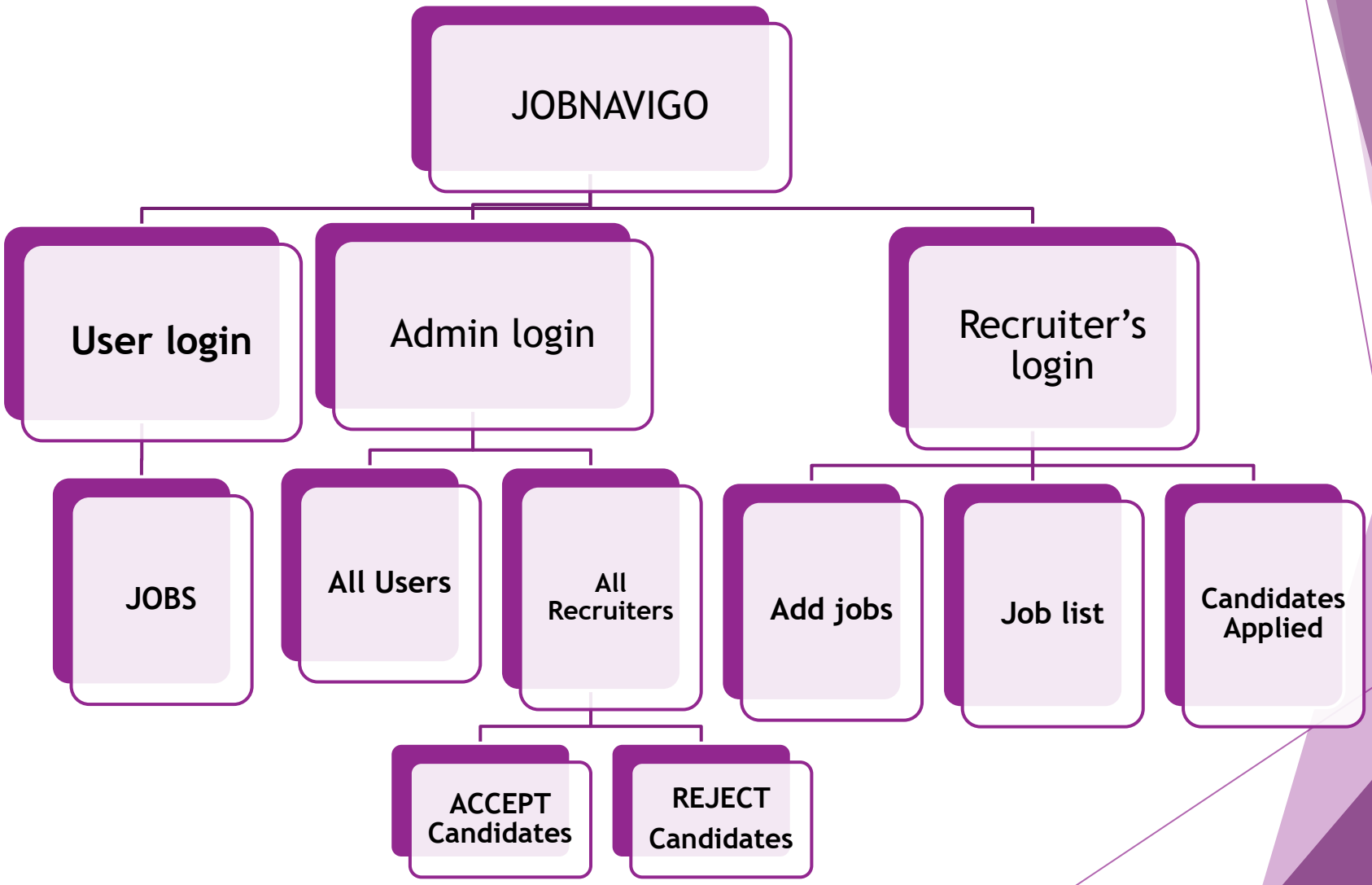
- **Genetic Algorithm**

Used in the project to evolve personalized job recommendations for users by iteratively selecting and combining job listings based on user preferences and qualifications.

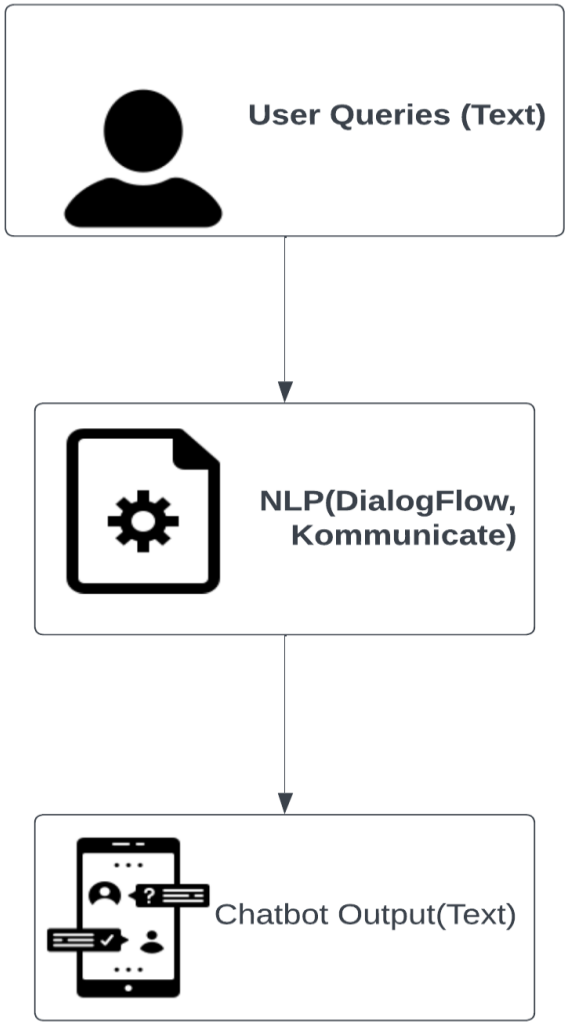
- **NLP (Natural language processing)**

Dialogueflow uses Google's powerful Natural Language Understanding platform and then tries to understand your language, based on the training you give.

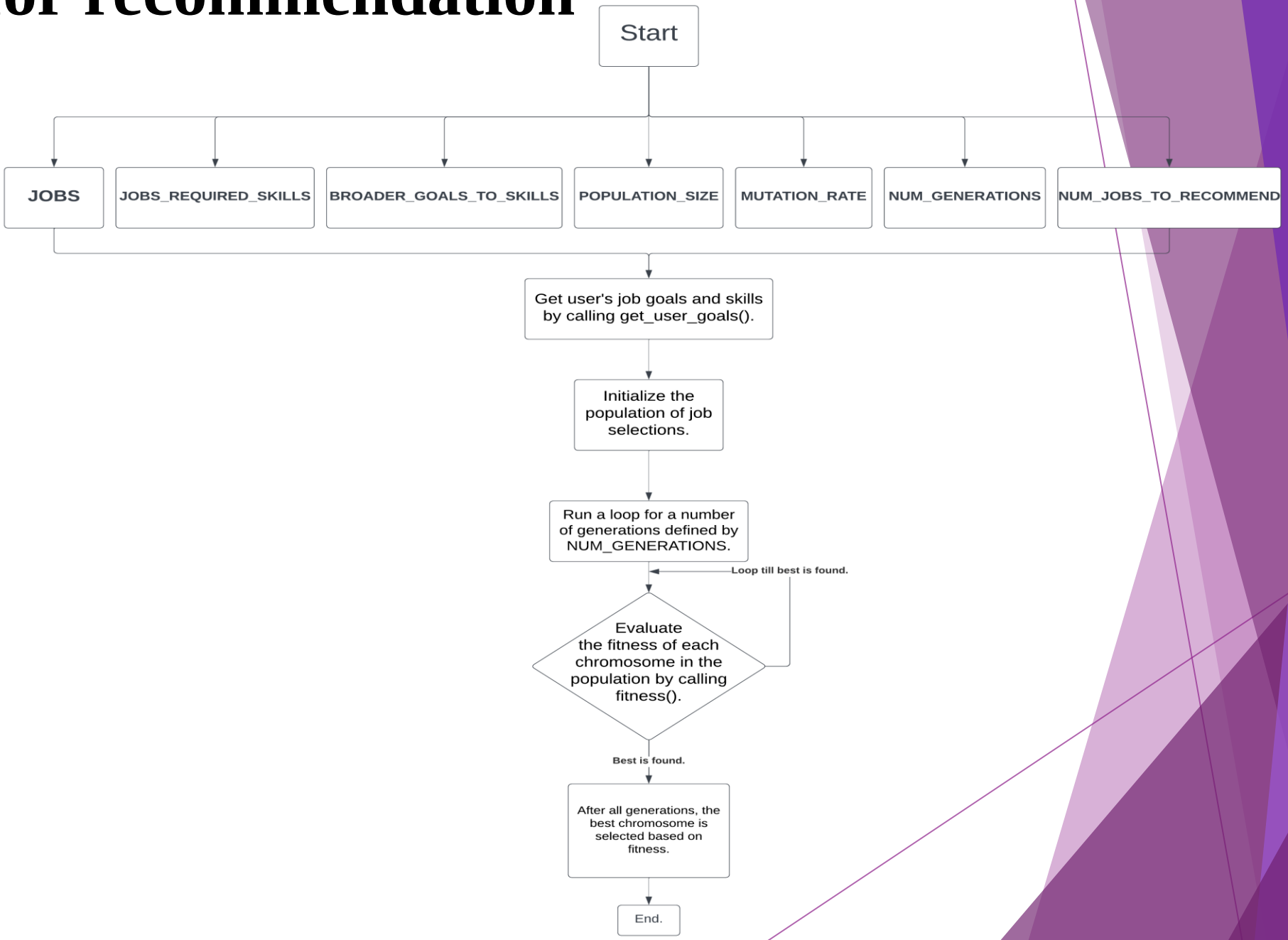
➢BLOCK DIAGRAM : User



➢BLOCK DIAGRAM : Chatbot using NLP



➢BLOCK DIAGRAM : Genetic Algorithm for recommendation



Thank You...!!