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|--------------|---------------------------|
| NAME : | PRAJINRAJ BHAVESH RANAWAT |
| ROLL NUMBER: | 23BCP092 |
| DIV 2 G3 | |
| EXPERIMENT | LAB 1 |
| HTML RESUME | |

Prajinraj Ranawat

Git Hub

+91-6357657777

LinkedIn

prajinrajanawat@gamil.com

About Me

I am a student at **Pandit Deendayal Energy University (PDEU), Gandhinagar**, passionate about **web development** and currently exploring **Machine Learning** and **Generative AI** to enhance modern web interfaces.

B-Tech: **Pandit Deendayal Energy University**
Specialization: **Computer Science and Engineering**
Year of Study: **3rd Year**
CGPA: **9.2**

Personal Projects

Advanced RAG pipeline with Optimized retrieval

Python | LangChain | Hugging Face | FAISS | ChromaDB | Scikit-learn

- Architected an end-to-end RAG pipeline using open-source models to maximize retrieval accuracy.
- Implemented Parent-Child retrieval to enhance contextual understanding for the LLM. Engineered a rigorous evaluation framework to measure retriever performance using Hit Rate and
- Engineered a rigorous evaluation framework to measure retriever performance using Hit Rate and Mean Reciprocal Rank (MRR)
- Achieved a 15% higher retrieval hit rate over baseline methods by iteratively tuning embedding models and retrieval strategies

Movie Recommendation System

Flask | Python | Scikit-learn | TMDB API | HTML/CSS

- Developed a content-based movie recommendation web app using Flask and machine learning techniques.
- Applied cosine similarity on preprocessed movie metadata to suggest similar movie titles based on user input.
- Integrated the TMDB API to fetch and dynamically display movie posters and details.

Key Achievements

- Winner – HackNUThon 6.0, organized by CSI Nirma University** : Secured 1st place overall among 1200+ participants and 2nd place in the Aubergine Track
- 2nd Place – ECONOMIA Hackathon** organized by Anirveda, PDEU

Technical Skills

- Programming Languages:** Python, C++, Java, JavaScript
- Web Development:**Flask, HTML, CSS, JavaScript, Express.js, Node.js, React.js
- Database:**MongoDB, SQL, VectorDB [**Chroma Db** | **LanceDB** | **Pinecone**]

Certifications

- Certifications:** Udemy- LLM & Generative AI Masterclass: Langchain, HuggingFace (Completed: April 4, 2025)
- CSSI Internship** : Participated in a 14-day social service initiative focused on environmental conservation and community awareness.
- Healthcare4.0 workshop** : Hands-on Healthcare 4.0 workshop on ML workflows — from data cleaning and EDA to training models on real-world medical datasets.

Developed by Prajinraj Ranawat 23BCP092

INDEX.HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Prajinraj Ranawat</title>
  <link rel="stylesheet" href="index.css">
</head>
<body>
  <div class="final">
    <div class="Main">
      <h1>Prajinraj Ranawat</h1>
      <div class="Header">
        
        <a href="https://github.com/PRAJINRAJ-RANAWAT">Git Hub</a>
        <a href="">+91-6357657777</a>

        
        <a href="https://www.linkedin.com/in/prajinraj-
ranawat-8257952a2/">LinkedIn</a>
        <a href="">prajinrajranawat@gamil.com</a>
      </div>
    </div>
    <div class="About">
      <h2>About Me</h2>
      <hr style="border: 1px solid black;margin-bottom:9px;">

      <br>
      <p>
        I am a student at <b>Pandit Deendayal Energy University (PDEU),
        Gandhinagar</b>, passionate about <b>web development</b> and currently
        exploring <b>Machine Learning</b> and <b>Generative AI</b> to enhance
        modern web interfaces.
      </p>
      <div style="margin-top: 20px;padding: 10px;">
        <ul style="list-style-type: none; padding: 0;">
          <li>
            B-Tech: <b>Pandit Deendayal Energy University</b>
          </li>
          <li>
            Specialization: <b>Computer Science and Engineering</b>
          </li>
          <li>
```

Year of Study: **3rd Year**

CGPA: **9.2**

Personal Projects

[<h3><u>Advanced RAG pipeline with Optimized retrieval</u></h3>](https://github.com/PRAJINRAJ-RANAWAT/RAG-application)

Python | LangChain | Hugging Face | FAISS | ChromaDB | Scikit-learn

-

- Architected an end-to-end RAG pipeline using open-source models to maximize retrieval accuracy.

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[<h3><u>Movie Recommendation System</u></h3>](https://github.com/PRAJINRAJ-RANAWAT/Recommendation-Model)

Flask | Python | Scikit-learn | TMDB API | HTML/CSS

-

- Developed a content-based movie recommendation web app using Flask and machine learning techniques.

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Key Achievements

<ul style="margin-left: 3vw;margin-top: 10px;margin-bottom: 20px;list-style-type: disc">

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<h2>Technical Skills</h1>

<hr style="border: 1px solid black;margin-bottom:15px;">

<ul style="margin-left: 3vw;margin-top: 10px;margin-bottom: 20px;list-style-type: disc">

Programming Languages: Python, C++, Java, JavaScript

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<h2>Certifications</h1>

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</div>

<div>

<h4 style="margin-top: 5px;">Developed by Prajinraj Ranawat 23BCP092</h4>

<hr style="border: 1px solid black;margin-bottom:15px;">

```
</div>
</div>
</body>
</html>
```

INDEX.CSS

```
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

body {
  font-family: Arial, sans-serif;
  background-color: #ffffff;
}

.final {
  max-width: 90%;
  margin: 0 auto;
  padding: 20px;
}

.Main {
  width: 100%;
  background-color: #a2b6dc;
  border: 2px solid black;
  border-radius: 25px 25px 0 0;
  padding: 20px;
}

.Main h1 {
  text-align: center;
  font-size: 2rem;
  font-weight: bold;
  margin-bottom: 20px;
}

/* --- Corrected Header Section --- */
.Header {
```

```
display: flex;
/* This distributes all items evenly with space around them */
justify-content: space-evenly;
align-items: center;
background-color: #a2b6dc;
border-radius: 10px;
padding: 10px 20px;
}
```

```
.Header img {
  height: 40px;
  width: 40px;
  object-fit: cover;
  border-radius: 50%;
  border: 1px solid #000;
  margin-right: -15px;
  transition: transform 0.3s ease, color 0.3s ease;
  cursor: pointer;
}
```

```
.Header img:hover {
  text-decoration: underline;
  transform: scale(1.1);
  color: #1a1a1a;
}
```

```
.Header a {
  text-decoration: none;
  color: black;
  font-weight: bold;
  font-size: 1rem;
  transition: transform 0.3s ease, color 0.3s ease;
}
```

```
.Header a:hover {
  text-decoration: underline;
  transform: scale(1.1);
  color: #1a1a1a;
}
```

```
.About {
  border: 2px solid #000;
  padding: 20px;
  border-radius: 0 0 25px 25px;
  box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
}
```

THE END