

# Harsh Vaghasiya

harshhvaghasiya3110@gmail.com | +91-9106713106 | linkedin.com/in/harsh-vaghasiya-4993a516a

## EXPERIENCE

---

### NLP Research Intern

Indian Institute of Technology, Bombay, India

Jan 2021 – Apr 2021

- Explored and understood basics of Machine Translation.
- Developed and tested different variants of Sequence-to-Sequence model for Text Normalization in Social Media Text. Achieved highest F1-score of 83.94 using Hybrid Sequence-to-Sequence model. Implemented desktop interface for the system using Tkinter library.
- Designed and developed a new web application interface for IndoWordNet project. Migrated the existing project from Java-based framework to Python-based Django framework. Introduced additional functionality modules in the project, for ex. Auto Word Recommendation, Wordnet Statistics etc. Deployed the project on CFILT Server and Apache Server using proxy pass method.

## EDUCATION

---

### Bachelor of Technology (Computer Engineering)

CGPA : 8.74/10

Dharmsinh Desai University, Nadiad, Gujarat, India

July 2017 – May 2021

### Higher Secondary Education

Percentage : 94.15%, Percentile Rank : 99.87

Sanskar Bharti Vidhyalaya, Surat, Gujarat, India

Jun 2015 – Apr 2017

### Secondary Education

Percentage : 93.67%, Percentile Rank : 99.97

Smt. L.P. Savani Vidhyabhavan, Surat, Gujarat, India

Jun 2014 – Mar 2015

## PROJECTS

---

### Movie Recommendation Web Application

- Developed and tested machine learning based recommendation engines to suggest movies based on user's watch history and interests. Achieved highest accuracy of 91.86% using Collaborative Filtering Model.
- Contributed to implement easy-to-use User Interface for the system with the help of Flask framework in Python.

### Expense Tracker Desktop Application

- Contributed to implement functionality modules in C# for the system (includes functionalities like create saving modules, manage categories etc.)
- Implemented easy-to-use User Interface for the system with the help of Windows Forms in Microsoft Visual Studio.

### Online Quiz Web Application

- Designed Service Oriented Architecture for the system and implemented services using Windows WCF Service Library (includes services like create quiz, update question, play quiz, calculate scores etc.)

- Contributed to create easy-to-use User Interface for the system with the help of HTML and CSS.

### **Online Auction Web Application**

- Contributed to implement functionality modules for the admin-side of the system using Angular8 framework and Node.js (includes functionalities like create auction, update product's information, cancel auction etc.)
- Designed and tested various test-cases for the system using Unit-testing method
- Implemented easy-to-use User Interface for the system with the help of HTML, CSS, Javascript and JQuery.

### **Online Hospital Management Web Application**

- Implemented all functionality modules of the system using ASP.NET MVC Framework (includes functionalities like book appointment, show patient records, update hospital staff information etc.)
- Contributed to set up the authentication module for the system.

### **Online Shopping Web Application**

- Implemented functionality modules for admin-side of the system using Python's Django framework (includes functionalities like upload product, update product etc.)
- Contributed to create easy-to-use User Interface for the system using HTML and CSS.

### **Online Movie Ticket Booking Web Application**

- Implemented functionality modules for admin-side of the system using PHP (includes functionalities like post new shows, update show timings, cancel shows etc.)
- Contributed to create easy-to-use User Interface for the system using HTML and CSS.

## **SKILLS**

---

**Programming Languages:** Python, C/C++, C#, Java SE

**Web Technologies:** HTML, CSS, JavaScript, AJAX, JQuery, PHP

**Databases:** MySQL, Oracle, MongoDB

**Frameworks and Runtime Environments:** Angular8, Django, Flask, Node.js, Bootstrap

**Libraries:** PyTorch, TensorFlow, Scikit-learn, Pandas, NumPy, SciPy, Matplotlib

## **LANGUAGES**

---

### **English**

Professional Working Proficiency

### **Gujarati**

Native or Bilingual Proficiency

### **Hindi**

Full Professional Proficiency

## **INTERESTS**

---

- Reading
- Debate and Public Speaking
- Trekking/ Traveling
- Sports
- Music
- Drama