

# TUSHTI DUA

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LeetCode : [Tushtii](#)

## SKILLS SUMMARY

- **Programming Languages:** C++, Python, JavaScript, SQL
- **Frameworks & Libraries:** Flask, React Native
- **Web Technologies:** HTML/CSS
- **Platforms & Technologies:** Salesforce CRM, Expo
- **Tools & IDEs:** Visual Studio Code, Eclipse, Apache NetBeans, Git, GitHub
- **Computer Science Fundamentals:** Data Structures & Algorithms (Solved 150+ problems on LeetCode), OOPS
- **Soft Skills:** Strong written and verbal communication, Leadership and team collaboration, People and task management, Adaptability and problem-solving mindset

## EXPERIENCE

### Machine Learning & Deep Learning Intern

**National Institute of Technology (NIT), Kurukshetra | 15<sup>th</sup> February 2025 – 15<sup>th</sup> May 2025**

- Developed a CNN-based model to classify EEG signals as seizure or non-seizure
- Developed a Potato Disease Classification Model using CNN.
- Studied various deep learning algorithms and Python libraries, including ANN, CNN, and architectures like ResNet.

## PROJECTS

### 1. Daily Motivation App

**Technologies:** React Native, Expo, AsyncStorage, React Navigation, Context API, JavaScript [.\(GitHub\)](#)

A mobile application that delivers daily motivational quotes fetched from a public API. Features include saving/removing favorites with local storage, dynamic dark mode toggle via Context API, and a personalized profile screen with drawer navigation — all designed with an intuitive and minimalist UI.

### 2. Mental Health Chatbot [\(GitHub\)](#)

**Technologies:** Python, Flask, JSON-based Intents

Developed a Flask-based conversational chatbot to support mental health users, integrating intent mapping for personalized and empathetic responses. Addressed top 3 recurring user concerns through NLP-driven logic, improving user engagement and relevance.

### 3. Mini Projects

**Technologies:** HTML/CSS, JavaScript

Built multiple JavaScript projects including **LeetMetric**, a daily LeetCode progress tracker; **Recipe Finder**, which fetches recipes using a public API; a **Weather App** showing real-time weather data; a **To-Do List** with full CRUD functionality and local storage; an interactive **Quiz Game** with score tracking; a classic **Rock, Paper, Scissors game** with animations.

### 4. Epileptic Seizure Detection Using Deep Learning [.\(GitHub\)](#)

**Technologies:** Python, TensorFlow, Keras, CNN, Pandas, NumPy, Flask, HTML, CSS

Developed a CNN-based model using Python and TensorFlow to classify EEG signals as seizure or non-seizure with high accuracy. Built a Flask web app to visualize EEG input and display real-time predictions, showcasing the practical use of AI in healthcare diagnostics.

## EDUCATION

**B.Tech - Computer Science Engineering** 2022-2025  
*UIET, Kurukshetra University, Kurukshetra* Haryana, India  
CGPA : 8.4

**Diploma - Computer Science Engineering** 2019-2021  
*GBN Govt. Polytechnic, Nilokheri* Haryana, India  
CGPA : 8.45

**Intermediate (Non-Medical)** 2020  
*NIOS* Haryana, India  
CGPA : 7.5

## CERTIFICATIONS

- **AI/ML Internship** | NIT KKR
- **Full Stack Web Development** | Internshala
- **C++ with OOPS Concepts** | Internshala
- **Machine Learning and Data Analytics using Python** | NIT Warangal in association with NIT KKR

## EXTRACURRICULAR ACTIVITIES

- **Head of Content Team, Literary Club:** Led content creation and team activities.
- **Volunteer, Campus Events:** Organized sports and felicitation events.