



Nipuna Chhabra

Computer Science Student

A quick learner who can wear different hats, looking to work in a challenging environment to learn and grow.



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SKILLS

Python

Data Science

nlTK, numpy, pandas,
pytorch, scikit-learn,
keras, matplotlib,
seaborn, sklearn,
pyspark.

Natural Language
Processing

Web Scraping(Python,
Scrapy)

Swift5(iOS
Development)

C SQL Git

MongoDB, Express.js,
Node.js, Django

Presentation Skills

Leadership

EDUCATION

Bachelor of Technology

Manipal Institute of Technology, Karnataka

07/2019 - Present

8.65

- Software Engineering, Mathematics, Networking(C and Python), Data Structures(C), Big Data(Machine Learning and Management),
- Distributed Systems, Parallel Computing(Cuda,MPI), Data Architecture, Object Oriented Programming-Java

EXPERIENCE

PUBLICATION: "Something Something Hota Hai ", - An Explainable Approach towards Sentiment Analysis on Indian Code-Mixed Data

- accepted at Workshop on Noisy User-generated Text (W-NUT), **EMNLP 2021**.
- discusses the implications **model-agnostic explainable methods(Lime and Shap)** for code-mixed data. Models compared - SVM, Random Forest, CNN, CNN with Glove Embeddings, LSTM, LSTM with Glove Embeddings, XLMRoBERTa.

INTERNSHIP: Chatbot developer intern - GravitasAI (02/2022 - 06/2022)

- developed a hospital chatbot on the AWS lexV2 Platform, using Python.

PROJECTS: Lumos - iOS App(Swift5) (11/2020 - 01/2021)

- Worked with **UIKit**, to deliver **responsive UI** with **dark mode** support; implemented **secure user authentication** and fetched data using a **RESTful API backend**.
- The app was designed **programmatically**, following **MVC architecture** for modularity and improved upon multiple times to get **better compile-time efficiency**.

The MIT Post - IOS App

- Worked in a team of 3 to develop an app for The MIT POST, the official media body of MIT to share regular blog posts

OUI checker (11/2021 - 12/2021)

- A tool written in C to extract MAC addresses of all machines(pc/mobile/router), in a network, & identify the **OUI(Organizationally Unique Identifier)** and cross check it with IEEE database.

ORGANIZATIONS

Apple Developers Group - Vice President (06/2021 - Present)

Organised workshops and mentored over 30 students in getting started with iOS development. Oversee **development and maintainance of different iOS applications**.

Research Society Manipal (02/2021 - Present)

Work on Research Projects, Attend regular **paper discussions**, and workshops.

Volunteer Service Organisation (07/2019 - Present)

Collected food supplies and other necessities for Kerala flood victims, mentored kids in local slums, provided recreational activities for mental health asylum inhabitants.

CERTIFICATES

Deep Learning Specialisation, Coursera (09/2020 - 10/2020)

Server-side Development with NodeJS, Express and MongoDB, Coursera(5/2022-6/2022)