

MAHEK DHARMESH SOTA

Los Angeles, California USA | +1 (213)-551 8645 | sotamahek@gmail.com | <https://www.linkedin.com/in/mahek-sota/>

EDUCATION

University of Southern California, Viterbi School of Engineering
Masters in Computer Science

Los Angeles, CA
May 2024

GPA: 3.35/4

Coursework: Analysis of Algorithm, Database Systems, Web Technology, Foundations of AI.

University of Mumbai
Bachelors in Computer Science

Mumbai, India
May 2022

GPA: 9.41/10

Coursework: Data Structures, Analysis of Algorithm, Computer Networks, Artificial Intelligence, Database Management System, Big Data Analysis, Natural Language Processing, Human Machine Interaction.

SKILLS

Languages and Frameworks: C Programming, C++, Python, Java, HTML, CSS, JavaScript, PHP, SQL, ReactJS, AngularJS, NodeJS, Git, GitHub, Tableau, MongoDB, Power BI

Python Libraries: Numpy, Matplotlib, Tkinter, Pandas, Scikit-learn, Streamlit, Keras, OpenCV, Beautiful Soup, NLTK, spaCy, TextBlob, ChatterBot, Pyttx3

INTERNSHIP EXPERIENCE

Friends for Inclusion

Bangalore (Remote), India
Dec 2021 – Jan 2022

Machine Learning Intern

- Developed an audiobook tool for the visually impaired.
- Implemented Natural Language Processing concepts like tokenization, stemming and other preprocessing techniques (for language translation feature) along with the pyttx3 library to implement the text-to-audio features.

Ashtech

Pune (Remote), India
Jun 2021 – Aug 2021

Front End Developing Intern

- Refactored the websites to create a consistent look and visual theme across the website by promoting uniform fonts, formatting, images, and layout for clients that achieved a positive and hassle-free customer experience. Customized templates for the clients and improved the responsiveness of the sites by 100%, as any electronic device can display the site efficiently.
- Implemented payment portals, and survey forms for the users and integrated language translation feature.

ACADEMIC PROJECTS

Work It: Fitness Web Application

Aug 2021 – May 2022

- Devised a Chat bot along with 9 distinct features which include Video Call Integration, Recipe Recommender (4000 recipes) and Calorie Counter for food consumed.
- Utilized Beautiful Soup in recipe recommender to web scrape from 4000 recipes as per user-entered ingredients. Developed the User Interface using Streamlit, Web Development tools and Flask.
- Achieved an accuracy of about 90% for chatbot and 98% for recipe recommender.

SMS Spam Detection using ML

Jan 2021 – May 2021

- Developed an application that can detect if the incoming text is spam or a genuine one from a significant sender.
- Used Naïve Bayes algorithm to implement classification problem. Enhanced the model to get an accuracy of 98.99%.

Personal Projects

- Cartoonify An Image, Score Prediction according to number of hours spent studying, Iris Dataset using Decision Tree Algorithm and visualization, Data Analysis on Superstore based on data provided, Library Management System, Netflix and Spotify clone, Voice Assistant, Exam system for students using Java, Hospital Management System, Analyzing Walmart Sales using Tableau, Analyzing Population vaccinated against Covid-19 using Tableau, Fake News Detection using ML with TFIDF, Covid-19 Prediction Analysis.

INVOLVEMENT

IETE, Thadomal Shahani Engineering College

Mumbai, India

Technical Executive

July 2019 - May 2020

- Conducted Technical workshops like game development, python training for juniors with a footfall of over 100 attendees and designed and deployed committee's Website.

Rotaract Club of Mumbai Ghatkopar

Mumbai, India

Club Secretary

July 2020 - May 2021

- Led, delegated, and administered a club of 50 members, reported more than 100 projects. Practiced leadership, negotiation and maintained relations between the district and the parent rotary.

Thadomal Shahani Engineering College

Mumbai, India

Student Envoy

July 2021 - May 2022

- Coordinated with recruiting companies and students during the hiring process, maintained relevant databases.