

Mahek Sota

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Education

- **University of Southern California** Los Angeles, CA
Master of Science in Computer Science; (GPA: 3.2/4.0) Aug 2022 - May 2024
- **Mumbai University** Mumbai, India
Bachelor of Technology in Computer Science; (GPA: 9.41/10.0) Aug 2018 - Jun 2022

Experience

- **Machine Learning Intern**, Friends for Inclusion Dec 2021 - Jan 2022
 - Developed an audiobook tool for visually impaired, integrating Natural Language Processing techniques such as tokenization, stemming, and language translation using pyttx3 library. Achieved 90% accuracy enhancement in language translation.
- **Front End Developer Intern**, Ashtech Jun 2021 - Aug 2021
 - Refactored websites for a cohesive visual theme through uniform fonts, formatting, images, and layout, enhancing customer satisfaction. Customized templates for clients and boosted site responsiveness by 100% for seamless display on all devices.
 - Integrated payment portals, survey forms, and a language translation feature, optimizing user experience and increasing global accessibility.

Technical Skills

Programming Languages and Web Development: C Programming, C++, Python, Java, HTML, CSS, JavaScript, PHP, ReactJS, AngularJS, NodeJS, Git, GitHub

Data Analysis, Visualization, and Machine Learning SQL, Tableau, MongoDB, Power BI, Numpy, Matplotlib, Pandas, Scikit-learn, Keras

Natural Language Processing (NLP), Computer Vision, and GUI Development : NLTK, spaCy, TextBlob, ChatterBot, Pyttx3, OpenCV, Tkinter, Streamlit

Projects

- **Event Finder: React Application**
 - Developed and launched "Event Finder," a React application with Node.js backend, leveraging Ticketmaster API for event discovery and details, IPinfo API for user location, and Spotify for artist details.
 - Implemented end-to-end integration of diverse APIs and technologies, designing an intuitive and responsive event exploration platform with Bootstrap.
- **Work It: Fitness Web Application**
 - Spearheaded development of a multifunctional website with a Chatbot and 9 features, including Video Call Integration, a Recipe Recommender (4000 recipes), and a Calorie Counter for food consumption.
 - Employed Beautiful Soup for web scraping recipes based on user-entered ingredients, while devising a user-friendly interface using Streamlit, Web Development tools, and Flask. Accomplished 90% accuracy for Chatbot and 98% for Recipe Recommender.
- **SMS Spam Detection using ML**
 - Built an advanced application for distinguishing spam and genuine text messages, leveraging the Naive Bayes algorithm, succeeding an impressive 98.99% accuracy..

Involvement

- **Placement Cell of Thadomal Shahani Engineering College**, Student Envoy May 2021 - May 2022
 - Streamlined hiring process by coordinating with recruiting companies and students, maintaining and updating relevant databases.
- **Rotaract Club of Mumbai Ghatkopar**, Secretary May 2020 - Jun 2021
 - Led a 50-member club, overseeing execution of over 100 projects and managing relations between district and parent rotary through negotiation and communication
- **IETE**, Technical Executive May 2019 - May 2020
 - Organized and led technical workshops on game development and Python training for juniors, attracting over 100 attendees. Designed and deployed committee's website.