

Kaveya Sivaprakasam

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Education

University of California, San Diego

Master of Science in Data Science

San Diego, CA

Sept 2023 - Current

- **Courses:** Data management for Data Science, Probability and Statistics, Linear Algebra, Statistical Model

Indian Institute of Technology, Madras

Bachelor of Science in Data Science

Chennai, TN

Jan 2021 - Ongoing

- **CGPA:** 8.8/10

- **Courses:** Machine Learning, Modern Application Programming, Business Analytics, System Commands, Business Data Management, Database Management System

Mumbai University

Bachelor of Engineering in Computer Science

Mumbai, MH

August 2019 - June 2023

- **CGPA:** 9.95/10

- **Courses:** Software Engineering, Database Management System, Big Data Analytics, Management of Information System, Finance Management, Social Media Analytic, Natural Language Processing

Skills

Programming

Python, C, HTML/CSS, JavaScript, Java (Swing), SQL (Postgres, MySQL, SQLite), R, NoSQL (MongoDB). Perl

Developer Tools

Linux, Shell (Bash), LaTeX (Overleaf), Tableau, Microsoft Office, Databricks, Git, VS Code, Firebase, Netlify, Power BI

Frameworks and Libraries

React, Flask, WordPress, REST API, Pandas, NumPy, Matplotlib, Node.js, PyTorch, OpenCV, Vue.js

Projects

Music Genre Classification

Mumbai, MH

University of Mumbai

Apr 2023

- Utilized Librosa library to analyse frequency of various genres of music and extracted numerical data to train the machine learning models.
- Developed multiple machine learning models and reached the optimal accuracy by hyper tuning K-Nearest Neighbors (KNN) Classification method.
- Developed an accessible user web interface using Python Flask framework which is designed to enhance efficient interaction with the model.
- **Technical Skills:** NumPy, Pandas, Matplotlib, and Scikit-Learn for data manipulation, visualization, and model training, Librosa, Flask

Flowers and Petals

Mumbai, MH

Indian Institute of Technology, Madras

Dec 2021

- Collected extensive data from bills and transactions over a three-month period and analyzed the raw data from a wholesale flower shop to derive insights and enhance business sales strategies as a part of Business Data Management Course.
- Employed data analysis techniques to extract valuable insights, identifying trends, customer preferences, and sales patterns.
- **Technical Skills:** Excel

Phoenix- Event Management System

Visakhapatnam, AP

Smart Indian Hackathon 2022

Aug 2022

- Winner of SIH 2022- 36 hour hackathon organised by the Government of India.
- Developed a digital platform to enroll into the academic activities embedded with personalised suggestions and notifications.
- Developed the organizer's dashboard incorporated with the internal report generation of the demographic stats and feedbacks to the event.
- **Technical Skills:** Flask, BeautifulSoup (Web scraper), SQLite, front end, SHA 256, mailing, chart.js

Work Experience

Vidyalankar Polytechnic

Mumbai, MH

Teaching Assistant : C Programming Language

Mar 2023 - May 2023

- Delivered practical sessions for approximate 120 hours and provided one-on-one support to 180 student in batches of 30.
- Maintained diligent records of attendance and graded journals and assignments

Animus IT Management

Mumbai, MH

Software Development Intern

Oct 2021 - Jan 2022

- Worked closely with a team of experienced professionals who guided and mentored me in the latest technologies, including React JS, Next JS, Progressive Web Applications (PWAs), and API development.
- Weather Application: Designed and developed a weather application that provided real-time weather information for users. This project involved fetching data from a weather API and displaying it in a user-friendly interface built with React JS. It improved my proficiency in React and API integration. I successfully converted this into a Progressive Web Application (PWA), ensuring that users could access it seamlessly on various devices and platforms.
- Live Covid Counter Informatics with Graphs: Created a web application using Next JS that displayed live COVID-19 statistics, including case counts, recoveries, and deaths. I also implemented interactive graphs to visualize data trends, helping users better understand the pandemic's impact.

Volunteering and Leadership

Computer Society of India (CSI-VIT)

Mumbai, MH

General Secretary

Aug 2021 - Jul 2022

- Managed the CSI team of 47 members, conducted 12 successful events and also streamlined collaborative events with GitHub, Spark AR, CyberFrat.