Kaveya Sivaprakasam

sivakaveya1@gmail.com | +1 619-877-4937| sivakaveya.com | linkedin.com/sivakaveya/ | github.com/sivakaveya

EDUCATION

University of California San Diego   CGPA: **4.0/4.0**
Master of Science in Data Science   September 2023 - March 2025
- Relevant Coursework: Statistical Model, Fraud Analytics, Data Analysis/Stats Learning

University of Mumbai   CGPA: **4.0/4.0**
Bachelor of Engineering in Computer Engineering   August 2019 - May 2023
- Relevant Coursework:Big Data Analytics, Social Media Analytics, Finance Management, Data Structures & Algorithms

SKILLS

Programming: SQL (PostgresSQL, MySQL, SQLite), R, Python, NoSQL (MongoDB), GraphQL, Java, C, HTML/CSS, Shell (Bash)

Tools and Software: Tableau, Power BI, Alteryx, Neo4j, Microsoft Office, Excel, Databricks, AWS, Azure, Git, VS Code, Firebase, Netlify, Linux, Latex, Apache Spark

Frameworks and Libraries: NumPy, Matplotlib, Pandas, Redis, Flask, REST API, Flutter, Node.js, PyTorch, OpenCV, Vue js, React

WORK EXPERIENCE

Teaching Assistant – Database Management   San Diego, CA
University of California San Diego   January 2024 - March 2024
- Facilitated discussion lectures, synthesizing key concepts and reinforcing learning on topics including the SQL, relational data modeling and schema design, elements of query optimizations, normalization and architecture.
- Developed and evaluated assignments, quizzes, exams, and lab content with step-by-step walkthroughs, along with providing a deep understanding of querying and managing databases, enabling to extract and manipulate data effectively for analysis, reporting, and decision-making.
- Impacted student growth by serving as a peer facilitator, providing guidance and support to 150+ undergraduate students as they learned new concepts, enhancing their understanding and academic success by applying skills to real-world scenarios.

Teaching Assistant – C Programming   Mumbai, MH
Vidyalankar Polytechnic   March 2023 - May 2023
- Facilitated extensive practical sessions in C programming, delivering over 120 hrs of instruction to a student body of 180 across multiple batches by providing personalized academic support, catering to individual learning needs for the students.
- Conducted live coding sessions covering extensive topics on control statements, functions, arrays, strings, pointers, dynamic memory allocation, structures, unions, I/O operations and error handling.

Data Analyst Intern   Hyderabad, TS
iAppSoft Solutions   October 2021 - January 2022
- Managed ETL pipelines using SQL queries (joins, grouping, subqueries, aggregation) and Python on AWS for grocery storage data, achieving a 25% improvement in data processing.
- Delivered actionable insights using Tableau for inventory management, resulting in a 12% profit increase.
- Created a web application to display live inventory statistics with interactive data visualization, enhancing client's understanding of the purchasing trends and shelf-life.

PROJECTS

Data Science Community Analysis on Reddit (SQL, Neo4j GraphQL, NoSQL)   December 2023
- Performed a comprehensive data analysis, leveraging PostgreSQL, Cypher, and MongoDB to analyze trends across data science subreddits, integrating Relational, Graph, and JSON data from Kaggle and Reddit within a Docker setup.
- Derived insights on subreddit growth, engagement, and trends, highlighting the dynamics of data science communities.

Music Genre Classification (NumPy, Pandas, Matplotlib, and Scikit-Learn Librosa)   April 2023
- Crafted an audio analysis and classification platform using Librosa library, enhancing model training with a rich dataset derived from frequency analysis; significantly improved model accuracy of 92% through KNN hyperparameter tuning.

Resume Scanner analysis (NLTK, spaCy, and scikit-learn)   December 2022
- Implemented a Resume Scanner utilizing Natural Language Processing and Machine Learning algorithms, with key integration of NLTK, spaCy, and scikit-learn's CountVectorizer, to analyze and match resumes with job descriptions.

Phoenix Event Management (Flask, BeautifulSoup (Web scraper), SQLite, SHA 256, mailing, chart.js)   August 2022
- Engineered 'Phoenix', an award-winning event management platform, at the Smart India Hackathon 2022; featured an organizer dashboard with advanced analytics and participant-centric features for an improved academic event experience.

CERTIFICATIONS

- Indian Institute of Technology Madras - Diploma in Data Science   August 2023
- Indian Institute of Technology Madras - Diploma in Programming   January 2024