Jay Bendre

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EDUCATION

University of California Davis   **Davis, CA**
Masters in Statistics – Data Science Track   *Dec '22*
- Current coursework : ANOVA, Linear Regression, Multivariate Data Analysis, NLP, Time Series Generative Models, Advanced Probability.

Vivekanand Education Society's Institute of Technology   **Maharashtra, India**
Bachelors of Engineering – Computer Science   *Jun '21*
- Valedictorian with a CGPA of 9.41 on a scale of 10
- Coursework - Python and R, Data Mining & ETL, Data Structures, NoSQL Database Management & Design.

WORK EXPERIENCE

UC Davis Shared Services Organization   **Davis, California**
Database Administrator   *Nov '21 – Present*
- Configured and automated delivery of oracle database services using Ansible cookbooks via AWS services like EC2 and RDS, to UC Davis enterprise and departmental customers.

VESIT   **Maharashtra, India**
Full Stack Developer   *Jun '19 – Oct '20*
- Designed a MySQL database for the events section of the college website that was capable of handling anomalous events with a latency of less than 1s.
- Deployed the website onto the on-campus Linux server that helped in increasing the social media reach of the college by roughly 28% in comparison to the last academic year, reaching over 1.2 million hits.

Municipal Corporation of Greater Mumbai (MCGM)   **Maharashtra, India**
Data Scientist   *Nov '19 – Jan '20*
- Collaborated with the Maharashtra State government to collect, organize, analyze, and disseminate massive datasets into MySQL database using OpenCV & ML algorithms operating at 96% accuracy.
- Developed a REST API-based Dashboard for presenting the financial insights obtained from 5TB of unstructured data with a latency of 0.4s

VESIT Renaissance Cell   **Maharashtra, India**
Software Engineer Intern   *Nov '18 – Jan '19*
- Optimized a custom semantic search engine using web crawling – capable of parsing 325 pages and fetching the data back – clustered into various categories.
- Improved the latency rate by reduction in the latency time from 320 – 380 ms to 20-40 ms – roughly 160% reduction in the time, fetching the results instantaneously.

RESEARCH & PROJECT EXPERIENCE

Relevium   **https://github.com/jaydbendre/Relevium**
Independent Research - Managing Disasters using Twitter   *Jun '20 – Jun '21*
- Link for the paper published in an IEEE Conference: https://ieeexplore.ieee.org/document/9498419
- Employed Deep learning models AlexNet CNN and LSTM RNN with an accuracy of 81% to perform emotional analysis on Tweets, collected at a rate of 5000 tweets/min using the Tweepy module

Rativity   **https://github.com/jaydbendre/Rativity**
An organizational tree designer – Winner Smart India Hackathon (2019)   *Feb '19 – Apr '19*
- Visualized an organization tree chart containing over 10000 employees as a multinomial tree – with access to users with higher authority to rearrange and remove employees stored in a MySQL database as a JSON.

SKILLS

Skills: Python, R, Big Data, Machine Learning, Data Visualization, SQL, Excel, Linux, Apache Hadoop, MapReduce, Apache Spark, Statistical Modelling, GitHub, Reinforcement Learning, Docker, Ansible.