

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.

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, Database Management & Design, HDFS.

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, to UC Davis enterprise and departmental customers with instantiating Kubernetes authentication for all users.

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.

PROJECT EXPERIENCE

Relevium

<https://github.com/jaydbendre/Relevium>

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, SAS, Apache Hadoop, MapReduce, Apache Spark, Statistical Modelling, Real Analysis, Reinforcement Learning, Docker, Ansible.