

# Jay Bendre

Davis, CA | [linkedin.com/in/jaydbendre](https://www.linkedin.com/in/jaydbendre) | +1 (530)-328-6347 | [jaydbendre10@gmail.com](mailto:jaydbendre10@gmail.com)

## EDUCATION

### University of California Davis

*Masters in Statistics – Data Science Track*

- Current Coursework: ANOVA, Linear Regression, Multivariate Data Analysis, NLP, Time Series Generative Models.

**Davis, CA**

*Dec '22*

### Vivekanand Education Society's Institute of Technology

*Bachelors of Engineering –Computer Science*

- Valedictorian with a CGPA of 9.41 on a scale of 10

- Coursework - Python and R, Data Mining, Data Structures, Database Management, and Cloud computing.

**Maharashtra, India**

*Jun '21*

## WORK EXPERIENCE

### UC Davis Shared Services Organization

*PostgreSQL Database Administrator*

- Configured delivery of database services to UC Davis enterprise and departmental customers using the Oracle and PostgreSQL platforms, with tests successes greater than 90%.

**Davis, California**

*Nov '21 – Present*

### VESIT

*MySQL Database Administrator & Laravel Full Stack Developer*

- Designed a pattern recognition algorithm 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.

**Maharashtra, India**

*Jun '19 – Oct '20*

### Municipal Corporation of Greater Mumbai (MCGM)

*Data Scientist, Preprocessing and Analysis*

- Collaborated with the Maharashtra State government and digitized slum community records by storing them in a MySQL database using image recognition algorithms and OpenCV operating at 96% accuracy.
- Upgraded the existing database access system by increasing the response time by 55% using Python to set up REST APIs for all other modules of the systems to access.
- Developed a pipeline capable of handling over 5 million records of unstructured textual data and perform data analysis to provide financial insights in real time.

**Maharashtra, India**

*Nov '19 – Jan '20*

### VESIT Renaissance Cell

*Web Developer Search Engine Optimization*

- 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.

**Maharashtra, India**

*Nov '18 – Jan '19*

## PROJECT EXPERIENCE

### Relevium

*Managing Disasters using Twitter*

- 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 maintaining user privacy.

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

*Jun '20 – Jun '21*

### Rativity

*An organizational tree designer and role management system*

- Secured 1<sup>st</sup> place in Smart India Hackathon (SIH) 2019
- 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.

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

*Feb '19 – Apr '19*

## SKILLS

**Skills:** Python, Java, C, C++, CUDA, Machine Learning Frameworks, Deep Learning, Data Visualization, TensorFlow, PyTorch, Agile Development, Pandas, NumPy, LaTeX, Statistics, Linear Algebra, Excel, Full Stack