

Jay Bendre

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EDUCATION

University of California Davis

Davis, CA

Masters in Science – Statistics (Data Science Track)

Dec '22

- Current coursework: ANOVA, Linear Regression, Multivariate Data Analysis, NLP, Time Series Generative Models, Advanced Probability, Causal Inference, Significance Testing.

Vivekanand Education Society's Institute of Technology

Maharashtra, India

Bachelors of Engineering – Computer Engineering

Jun '21

- Valedictorian with a CGPA of 9.41 on a scale of 10
- Coursework - Python, Java, C++ and R, Data Mining, Artificial Intelligence, Data Analysis.

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 cloud computing services like EC2 and RDS and report post-hoc analysis.

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 and leveraging data from anomalous events for business decisions, 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 scikit-learn 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 in an AGILE environment with a fast paced task-flow, stored in a MySQL database as a JSON.

SKILLS

Skills: Python, R, Big Data, Machine Learning, Data Science, SQL, Excel, NumPy, Pandas, Apache Hadoop, Deep Learning, Apache Spark, Statistical Modelling, Spark SQL, Reinforcement Learning, Sci-kit Learn, NLP, Tableau.