Jay Bendre

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WORK EXPERIENCE

UC Davis Shared Services Organization   **Davis, California**
Oracle Database Administrator   *Nov '21 – Present*
- Managing multiple Oracle databases for a covid-information portal, providing student & employee information, safety & emergency services, helpline, etc.
- Responsibilities:
    - Configuration and maintenance of automated delivery of oracle database services.
    - Developed Ansible cookbooks via AWS services like EC2 and RDS, for automation of service delivery.
    - Managing medium and high priority ServiceNow tickets.
    - Creating ReactJS Dashboards for visualizing real-time covid-19 cases & contraction rate.

Relevium – (Research Project)   **Mumbai, India**
Disaster Management using Twitter (https://github.com/jaydbendre/Relevium)   *Jun '20 – Jun '21*
- 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.
- Link for the paper published in an IEEE Conference: *https://ieeexplore.ieee.org/document/9498419*

Municipal Corporation of Greater Mumbai (MCGM)   **Mumbai, India**
Data Scientist   *Nov '19 – Jan '20*
- Collaborated with the State government to collect, organize, analyze, and disseminate massive datasets into Oracle & MySQL databases using OpenCV & ML algorithms operating at 96% accuracy.
- Created a data pipeline for conversion of 5TB of unstructured data obtained from scanned records into structured JSON format to store it in Oracle database using Python.
- Developed a REST API-based Dashboard using *'Requests'* representing financial insights with a latency of 0.4s

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

Rativity – (Hackathon organized by Government of India)   **Mumbai, India**
An organizational tree designer (https://github.com/jaydbendre/Rativity)   *Feb '19 – Apr '19*
- Winner of Smart India Hackathon (2019)
- Developed identity and access management application capable of providing flexibility to an organization to easily transfer, relocate, promote and retire employees

University Renaissance Cell   **Mumbai, India**
Software Engineer Intern   *Nov '18 – Jan '19*
- Optimized a keyword search engine to an NLP semantic search engine – capable of parsing 325 pages and fetching the data back using PyCrawler – 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.

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EDUCATION

University of California Davis   **Davis, CA**

Masters in Statistics – Data Science Track   *Sep '21 - Dec '22*

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

University of Mumbai   **Mumbai, India**

Bachelors of Engineering – Computer Science   *Aug '17 - Jun '21*

- Valedictorian with a *CGPA* of 9.41 on a scale of 10
- Coursework - Python and R, Data Mining & ETL pipeline, Data Structures, Oracle & NoSQL Database Management.

CERTIFICATIONS

- Oracle Certification - Database Design (86%)
- Oracle Certification – Java Programming Language (90%)
- Oracle Certification – APEX (78%)
- Cloudera – Hadoop & Spark Big Data Certification.
- Udemy – TensorFlow & Keras Deep Learning Bootcamp
- Udemy – HyperLedger Fabric 2.x Practical Blockchain Bootcamp.

TECHNICAL SKILLS

- **High Proficiency** – Python, R, Oracle Databases, Deep Learning, Neural Networks, Linear Regression, Machine Learning, MySQL, PLSQL, Excel, Linux, Apache Hadoop, MapReduce, Apache Spark, GitHub, Docker, Ansible, Jenkins, AWS Lambda, AWS API Gateway, AWS SageMaker.
- **Medium Proficiency** - OUD, OEM, NoSQL, MS SQL, Statistical Modelling, Reinforcement Learning, AWS S3, AWS EC2, AWS RDS, Data Structures.
- **Other Skills** - C, C++, Java, HTML, CSS, JS, ReactJS, Django, Laravel.

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