

Jay Bendre

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EDUCATION

Masters in Statistics – Data Science Track

University of California Davis

Sep '21 - Dec '22

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

Bachelor of Engineering – Computer Science

University of Mumbai

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.

WORK EXPERIENCE

Oracle Database Administrator

UC Davis Shared Services Organization

Nov '21 – Present

Davis, California

- 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.

Data Scientist Researcher

Relevium – (Research Project) : Disaster Management using Twitter

Jun '20 – Jun '21

Mumbai, India

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

- 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>

Data Scientist

Municipal Corporation of Greater Mumbai (MCGM)

Nov '19 – Jan '20

Mumbai, India

- 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

Full Stack Developer

University of Mumbai

Jun '19 – Oct '20

Mumbai, India

- 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.

University Renaissance Cell

Software Engineer Intern

Nov '18 – Jan '19

Mumbai, India

- 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.

CERTIFICATIONS

- Oracle Certification - Database Design (86%)
- Oracle Certification – Java Programming Language (90%)
- Oracle Certification – APEX (78%)
- Cloudera – Hadoop & Spark Big Data Certification.

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** – Stakeholder Management, Agile Development.