JEFFREY DAVID

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ABOUT

Enthusiastic engineering graduate with a B.Tech in Computer Science from VIT, Vellore, bringing a solid foundation in technology and a proactive approach to problem-solving. Experienced in applying technical skills and industry knowledge gained at Accenture. Currently pursuing a Master's in Information Systems at NTU, with a commitment to continuous learning in order to keep up with the technological advancements.

EXPERIENCE

Accenture Solutions Private Limited — Bangalore, India
Advanced Application Engineering Analyst — *2022/11 - 2023/08*

- Trained in Apache Hadoop File System and learned to use different big data analytics tools like Apache Hive, Spark, Cassandra and more as a fresher.
- Designed, developed, and implemented end-to-end data pipelines using Hadoop ecosystem tools such as HDFS, Map-Reduce, Hive, and Pig.
- Successfully integrated data from various sources, enabling efficient processing and analysis within the Hadoop cluster.
- Documented processes, procedures, and best practices for Hadoop cluster management and data processing.

INTERNSHIPS

TalentKraft Pte Ltd — Singapore
AI Project Development Intern — *2024/01 - Present*

- Conduct research and data gathering on relevant data for goal setting and performance review.
- Design and Develop Gen AI based solution to assist organisations in their Goal Setting and 360 Performance Review Process

The Sparks Foundation — Vellore, India
Graduate Rotational Internship Program (Remote) — *2021/02 - 2021/03*

- Conducted thorough data analysis to identify patterns, trends, and anomalies in diverse datasets.
- Evaluated the performance of machine learning models using appropriate metrics and fine-tuned algorithms for optimal results.
- Implemented data preprocessing techniques to clean, normalize and transform raw data into suitable formats for machine learning models.

EDUCATION

Nanyang Technological University — Singapore
Master of Science in Information Systems — *2023/08 - Present*

- CGPA : 4.80 / 5.00
- Completing in May, 2024
- Focusing on Data Science and Text Mining through my choice of coursework specialization.
- Courses: Text and Web Mining, Data Mining, Internet Programming, Research Methods for Data Analysis, Information Retrieval and Information Visualization

Vellore Institute of Technology — Vellore, India
B.Tech Computer Science and Engineering — *2018/06 - 2022/05*

- CGPA : 8.78 / 10.00
- Core Courses: Data Structures and Algorithms, Operating Systems, Database Management Systems, Computer Architecture
- Elective Courses: Web Mining, Statistical Data Analytics and Artificial Intelligence for Beginners

SKILLS

- **Programming** - Python, Java, C, JavaScript
- **Big Data Analytics** - Apache Hive, Apache Spark, Apache Hadoop
- **Data Mining** - Machine Learning, Neural Networks, Natural Language Processing
- **Data Visualization** - Tableau, D3.js
- **Web Development** - HTML, CSS, Java Servlet, JSP, MySQL, AWS Deployment
- **Soft Skills** - Self-Motivated, Detail-Oriented, Problem-Solving

PROJECTS

Aspect-Based Sentiment Analysis of LGBTQ Issues in Singapore

Text Mining, Deep Learning, NLP, Tableau   *2024/01 - Present*
- Web Scrap data from online discussion platforms like Reddit and HardwareZone.
- Train and Evaluate a BERT based Transformer Model for Sentiment and Aspect Classification
- Analyze the Aspect based Sentiments with respect to Time using Visualizations in order to gain insights.

Twitter Sentiment Analysis with MLP, CNN and BERT

Text Mining, Deep Learning, NLP   *2023/08 – 2023/11*
- Developed a machine learning model using Multilayer Perceptron (MLP), Convolutional Neural Network (CNN) and BERT for Twitter Sentiment Analysis.
- Implemented data preprocessing, model training and evaluation.
- Collaborated with team members to optimize model performance and accuracy.

Singapore COVID-19 StoryBoard

Data Visualization, Tableau   *2023/08 – 2023/11*
- Developed a comprehensive COVID-19 StoryBoard focusing on the situation in Singapore.
- Utilized Tableau for creating insightful data visualizations and interactive dashboards.
- Collected and analyzed relevant data for the StoryBoard.

Elegancy Stay - Hotel Management System

Web Development, AWS Deployment   *2023/08 – 2023/11*
- Developed a comprehensive Hotel Management System called "Elegancy Stay."
- Implemented features such as reservation management, room allocation and billing.
- Collaborated with a team to ensure the successful completion of the project.

Deep Learning Model for Analyzing Water Quality, Level, and Flow of Cauvery River

Deep Learning, Environmental Analysis   *2021/11 – 2022/05*
- Developed a Deep Learning model to analyze water quality, level and flow of the Cauvery River in India.
- Implemented features to predict and monitor environmental parameters.
- Contributed to the understanding and assessment of water resources using advanced technology.

CERTIFICATIONS

- Certificate of Completion of Accenture Greenfield Training Program   *2023/01 - 2022/11*
- Intro to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning   *2021/03 – 2021/04*
- Artificial Intelligence for Beginners   *2020/04 – 2020/05*
- Machine Learning Using Python   *2020/04 – 2020/05*
- Statistical Data Analytics for Business Research   *2020/04 – 2020/05*
- Data Science for Engineers - NPTEL   *2021/01 – 2021/03*
- Programming in Java   *2016/05 – 2016/06*