Yeshwanth Govindu

yeshwanth.g.us@gmail.com

LinkedIn | GitHub

Mobile : +1 (940)-843 7377

EDUCATION

University of North Texas *Denton, TX*

Master of Science, Computer Science ***Aug, 2023 – Present***

Coursework: *Software Engineering, Data Structures and Algorithms, Database Systems, Artificial Intelligence, Machine Learning, Big Data and Data Science, Natural Language Processing, Information Retrieval.*

TECHNICAL SKILLS

- ***Programming Languages****: Python, SQL*
- ***Databases:*** *MySQL, PostgreSQL, Oracle, Cassandra (NoSQL).*
- ***Frameworks:*** *Hadoop Ecosystem(HDFS, MapReduce), Spark, Apache Kafka*
- ***API:*** *Rest API*
- ***Monitoring & logging Tools****: AWS Cloudwatch, Splunk*
- ***Machine Learning :*** *Pandas, NumPy, Scikit-Learn, Keras, PyTorch, TensorFlow*
- ***Natural Language Processing:*** *NLTK, Spacy, Gensim*
- ***Containerization, Orchestration:*** *Docker, Kubernetes*
- ***Software Development Practices:*** *Agile Scrum methodologies*
- *Good understanding of* ***Data Structures and Algorithms***
- *AWS CERTIFIED SOLUTIONS ARCHITECT*
- *Misc : Data Modelling, Software Architecture, Math Probability, Statistics and Algortihtms*

WORK EXPERIENCE

TATA ELXSI *Bangalore, India*

Software Engineer (Model Based Development) - (2 years) ***Aug, 2021 – July, 2023***

- *Developed and deployed scalable cloud solutions, utilizing Apache Spark and Kafka to process large scale data streams and extract valuable insights, leading to 30% reduction in processing time.*
- *Collaborated with cross-functional teams to design and implement high-quality platform features, achieving a 95% code review approval rate and ensuring the stability of core financial products.*
- *Optimized SQL queries and managed relational databases to improve system performance and data retrieval efficiency. Designed and implemented object-oriented solutions to enhance the stability and scalability of applications.*
- *Built and integrated REST APIs to streamline communication between front-end interfaces and backend services, ensuring secure and efficient data access.*
- *Participated in code reviews, version control (Git), and unit testing to ensure clean code practices and maintainable software.*
- *Contributed to end-to-end product lifecycle management, including development, testing, and deployment of web-based applications.*

CERTIFICATIONS/ TRAINING

DATA STRUCTURES and ALGORITHMS *(GOOGLE TECH DEV GUIDE): With this self-training, I familiarized myself with common DSA like Lists, Dictionaries, Stacks, Queues, Linked Lists, Hash tables, Big-O Analysis, Searching, Sorting.*

AWS CERTIFIED SOLUTIONS ARCHITECT *(AWS): I gained adequate knowledge and skills to provide solutions to complex problems, optimizing security, cost and performance and automating manual processes. Validity – (Jan'24 – Jan'27).*

ACADEMIC PROJECTS

E-Commerce Customer Churn Prediction (Big Data and Data Science):

Developed a system to predict customer churn using Hadoop for distributed big data processing and machine learning models for customer segmentation and churn prediction. This project demonstrates the ability to handle large datasets, filtering, performing clustered data processing, integrate machine learning algorithms, and optimize processing for real-time analysis.

Tech Stack: *Hadoop(HDFS, MapReduce, Hive, Yarn), AWS(EMR, Glue, S3), Clustering, Regression, Spark.*

Sentiment Analysis (Natural Language Processing):

Developed a sentiment analysis system to analyze public opinion on the Russian-Ukrainian War using Natural Language Processing (NLP) techniques. The project involved collecting and preprocessing large-scale Twitter data, applying text-cleaning techniques, and utilizing machine learning models for sentiment classification. Additionally, sentiment trends were visualized to identify patterns in public sentiment over time.

Tech Stack: *Python, NLP, TensorFlow, Scikit-learn, NLTK, SpaCy, Transformers (BERT), Pandas, Matplotlib.*