BHANU PRAKASH REDDY CHADA

Hayward, CA | LinkedIn | bchada@horizon.csueastbay.edu | +1(510) 674-5882 | GitHub | Portfolio

EDUCATION

Master of Science in Computer Science • California State University East Bay, CA• GPA: **3.91/4**   **Jan 2021 – Dec 2023**
Bachelor of Engineering in Computer Science • Vaagdevi College of Engineering, India • GPA: **9.15/10**   **Jun 2014 – Jun 2020**

WORK EXPERIENCE

Amazon Development Center   **Hyderabad, India**
Investigations Specialist – AWS Fraud Investigations Team   *Oct 2020 – Sep 2021*
- Keeping abreast of trends and fraud issues impacting the Cloud industry to ensure AWS is leading the curve in identifying, mitigating and preventing fraud attacks.
- Leveraged analytical and data skills using Tableau to deep dive on a myriad of fraud activity to help drive complex investigations and investigative strategies.
- Got good exposure to AWS Services (S3, Lambda, EMR, Glue, CloudWatch, Redshift, SNS, SQS, Athena, AppFlow) and contributed to the Standard Operating Procedures for quality risk assessment and root cause analysis.

TA Digital (Omnicom Group)   **Hyderabad, India**
Software Engineer - Data   *Jan 2020 – Oct 2020*
- Learned different strategies and technologies in Data Engineering, Software Architecture and Development, JIRA, Git.
- Experienced with the tools in Hadoop Ecosystem including Hive, HDFS, MapReduce, Sqoop, Spark and basics of Kafka.
- Hands-on experience with importing and exporting data from Relational databases to HDFS, Hive and HBase using Sqoop.
- Worked on regularly tuning performance of hive queries to improve data processing and retrieving.
- Orchestrated Airflow DAG to automate the loading of data into HDFS and Spark for data pre-processing.
- Developed more than 12 efficient and optimized scripts for handling production issues and achieved an overall reduction by 8% (on average) in response time for a server handling 20K daily requests.

CS 321 & CS 431 / Department of Computer Science - CSUEB   **Hayward**
Graduate Student Assistant   *Aug 2022 – Present*
- Responsible for spearheading, planning and conducting Computer Architecture in collaboration with a team of 3.

PROJECT

CREDIT CARD FRAUD DETECTION SYSTEM – BIG DATA
- Loading Historical Card Transaction Data into Hive-HBASE table, loading AWS-RDS files of Member Score and Member Details to Hive Tables and populating Card Transactions and Card Lookup table using Airflow Batch Job.
- Reading Streaming Data from Kafka, pass it to Spark for joining with Master Data and marking the transaction as Genuine/Fraud accordingly by validating various Business Rules.

TERADATA VANTAGE TO DELTA LAKE MIGRATION – Configuration Driven Deployment Approach.
- Copied data from TDV to S3 using Teradata utility Service.
- **Batch Mode** – Directory Listing (S3 Delta Tables)
    - Databricks Autoloader based on cloud Files format to retrieve the change.
- **Event Based** - File Notification (S3 --> SNS --> SOS --> Lambda --> Delta Tables)
    - Data bricks Autoloader based on cloud Files format to retrieve the change records based on SQS events.
- Creating Data Quality rules & Logs in S3 Bucket.
- Glue Data Catalog serves as a central metadata repository and Airflow is used as the orchestration for Databricks jobs, configured in a DAG.
- Adding new columns, modifying existing columns, merging of changes to target Delta tables.

SHEPPIE - Ride Hailing Servitization product for International Students.
- Led ideation of live web application end-to-end after interviewing 30+ students to determine product roadmap and vision.
- Improved performance by 33% using cache value reads and scaled application by 20% to handle more requests per minute (RPMs) for higher quality outcomes.
- Performed market analysis and drafted non-functional and non-technical features after proactively identifying people problems and aligning on priorities.

SKILLS AND INTERESTS

Skills: C, C++, Python, Java, Scala, JavaScript, SQL, Teradata, Apache Spark, Hive, Kafka, Hadoop, HDFS, YARN, HBase, Cassandra, MongoDB, Apache Airflow, Terraform, Jenkins, Postman, CRON, Pub/Sub, CI/CD, Cloudera, Databricks, Docker, Containers, Tableau, AWS, Shell Scripting, Data Structures and Algorithms, Systems Design- Low Level & High Level, Agile Methodologies, Scrum Framework, Design Thinking, Critical Thinking, Problem-Solving.

CERTIFICATIONS

AWS Certified Solutions Associate, Cisco Certified CyberOps Associate
Cisco Certified Network Associate.