

PROFESSIONAL EXPERIENCE

Prodapt North America Inc   Client: Verizon - Software Engineer	May 2024 - Present Irving, Texas
<ul style="list-style-type: none"><li>Partnered cross-functionally with operations and finance teams to gather requirements and uncover automation opportunities, resulting in reduced manual effort and increased operational efficiency aligned with strategic business needs</li><li>Engineered robust monitoring solutions using <b>Shell</b> scripting, <b>Prometheus</b>, and <b>Grafana</b> to proactively detect server downtimes, traffic anomalies, and resource bottlenecks—supporting business continuity and timely incident response</li><li>Streamlined deployment pipelines through <b>Jenkins</b> and <b>Ansible</b> automation, cutting deployment time significantly and boosting reliability of core financial applications</li><li>Designed <b>Jenkins</b> automation to dynamically terminate non-essential processes, optimizing performance while preserving uptime for critical workloads</li><li>Automated ticket-based operational workflows by scripting dynamic request handling processes using <b>Selenium</b>, enabling frictionless user access management across enterprise systems with complete auditability</li><li>Ensured integrity and consistency of telecom data streams from multiple vendors, facilitating the accurate delivery of business KPIs and supporting downstream analytics</li><li>Remediated data inconsistencies by building logic to re-ingest vendor data, ensuring completeness and accuracy critical to KPI tracking and performance analysis</li><li>Resolved complex data anomalies during multi-source transfers and aggregation, safeguarding data quality and reliability</li></ul>	
TE Connectivity Services India Pvt Ltd – Data Insights and Analytics Engineer	Jan 2021 - July 2021 Bangalore, India
<ul style="list-style-type: none"><li>Spearheaded Cloud Migration Project from migrating 60-70% data to AWS Redshift resulting in 40% increase in query performance</li><li>Restructured raw data from SAP Hana and Oracle Runtime Database using MySQL, Cassandra, and Hive enhancing data accuracy by 60%</li><li>Authenticated large databases over 5 million records utilizing AWS Athena, S3 and Excel to rectify inaccuracies with a success rate of 98%</li><li>Automated the manual validation process through pipelines using Python reducing the time from 10 hours/day to a few seconds</li><li>Administered CI/CD pipelines using AWS CodeBuild, AWS CodePipeline, and Jenkins for continuous deployment of validated datasets</li></ul>	

ACADEMIC PROJECTS

Quora Question Pairs Similarity - Arizona State University	December 2021
<ul style="list-style-type: none"><li>Leveraged Matplotlib to design comprehensive visual plots resulting in a 20% improvement in accuracy of class distribution analysis</li><li>Operationalized Spacy to vectorize data for feature extraction, reducing processing time by 35% and improving model performance by 15%</li><li>Implemented data preprocessing techniques such as tokenization and stemming to ensure 99.9% data quality</li><li>Collaborated to develop an innovative feature engineering method that amplified model accuracy by 12%</li><li>Tested various predictive models such as Logistic Regression, SVM, and Gradient Boosted Decision Trees, with the latter outperforming the others with an accuracy of 79.29%, reducing error by 20%</li></ul>	
Stock Market Prediction - BMS College of Engineering	May 2021
<ul style="list-style-type: none"><li>Coordinated to design and implement a scalable deep neural network architecture for stock price prediction with 93% accuracy</li><li>Harnessed historical stock market data to develop LSTM networks, improving the next-day stock movement prediction by 75%</li><li>Dissected the fundamental data of the company algorithmically using python API and predicted the health of the stock in the long term</li><li>Employed AWS S3 and DynamoDB to efficiently transform and store data in JSON format, reducing data processing time by 50%</li><li>Engineered a Flutter mobile application that displayed key performance metrics of the stocks in a visually appealing and user-friendly manner</li></ul>	

SKILLS

**Technical skills:** Requirement Analysis, Automation, Data Handling and Visualization, DevOps, Exploratory Data Analytics, Predictive Analytics and Modeling, Dashboarding, API Development

**Frameworks and Tools:** Python, MySQL, Jenkins, Ansible, Grafana, Tableau, Looker, Spark, Tensorflow, FastAPI, GCP BigQuery

**Certifications:** Deep Learning Specialization (deeplearning.ai), Google Advanced Data Analytics, Data Visualization with Tableau (UC Davis), Creating Business Value with Data and Looker, Google Cloud Professional Data Engineer Certification (in-progress)

EDUCATION

Master of Computer Science Arizona State University	August 2021 – May 2023 Tempe, AZ
<b>Coursework:</b> Data Mining, Data Processing at Scale, Data Visualization, Intro to Deep Learning, Natural Language Processing	
Bachelor of Engineering in Computer Science (BE) BMS College of Engineering	August 2017 – May 2021 Bangalore, India
<b>Coursework:</b> Python, Database Management Systems, Neural Networks, Big Data, Artificial Intelligence, Data Science	