Lokesh Medarametla

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## EDUCATION

**University of Maryland, Baltimore County, MD, USA Jan’21 – May’22**

Master of Science, Computer Science ***GPA: 3.75***

# Vellore Institute of Technology, Vellore, India Aug’15 - April’19

Bachelor of Technology, Computer Science and Engineering ***CGPA: 3.56***

## TECHNICAL SKILLS

* **Languages**: Python, JavaScript, HTML, CSS, C++, Java
* **Libraries and Framework**: Node.js, Express.js, Pandas, TensorFlow, NumPy, Bootstrap
* **Databases:** MongoDB, SQL, PL/SQL
* **Tools:** Informatica, PowerBI, Tableau, Git, AWS (DynamoDB, S2), Jira, Trello

## WORK EXPERIENCE

**Cognizant Technological Solutions ltd.** **Nov’19 – Dec’20**

*Full Stack developer* ***Chennai, India***

* Worked on health insurance project with a MNC client.
* Develop new user-facing features using React.js and Redux.
* Involved in developing reusable web components and front-end libraries and effectively reduced the application workload.
* Involved in API design and developed restful services to manage the customer contact information.
* Worked with AWS DynamoDB in working with collections, indexes and other database management tasks.
* Developed test cases for both frond end and back end using Jest and mocha
* Profiling, Troubleshooting & Bugs fixes for the business-critical progressive web application that helped to tune system performance and decrease average response time.
* Discuss with onshore team on tasks to be done, and mentor junior members of the team.

**Eruvaka Technologies Pvt Ltd.** **Sep’19 – Oct’19**

*Data Analyst* ***Vijayawada, India***

* Collected the data from various sources for choosing the correct metrics.
* Performed cleansing, processing, and validation on the data to ensure it quality for modelling.
* Developed a program to automate the inflowing daily data for the modelling.
* Worked on quantitative business analysis, data mining to identify trends in the feed conversion ratio changes.
* Used several machine learning algorithms of regression and Time series with the data fetched for a better fitted algorithm and improvised that algorithm for the best accuracy which resulted in decrease of Feed conversion ratio by 20%.
* Used Visualization tools like Power BI for better presentation of the data and created dashboards with it.

## PROJECTS

**Ravi Studio Website:**

* Developed a website for the studio to promote their photography and their wedding plans and to organize their events.
* Used React JS, jQuery as the front-end libraries to build a single page web app.
* Implemented MongoDB infrastructure to store events data and relevant information associated with users and events.
* Developed restful API's that helps to exchange data from frontend using Node.js.

**Student Report (Cognizant Intern):**

* Successfully accomplished tasks given for implementing Informatica tool in real world situations.
* Involved in the mapping design process that adhere to ETL principles.
* Created Data pipelines to load the data.
* Worked on design and development on ETL jobs to ingest data from different sources to DynamoDB.

**Stock Market Prediction using RNN and LSTM:**

* Collected data from the Kaggle and performed data preprocessing techniques to make the data suitable for modelling.
* Compared with different regression models and opted Neural nets for its better performance.
* Used Recurrent Neural Nets for updating the values and made use of LSTM for memory management for the better usage of the values in the model.
* Used visualization libraries like matplotlib, seaborn for the better graphs of the results.

**Sri Vishnu Yamaha Website:**

* Designed a website for Vishnu Yamaha Gudur within a week to which helps to promote their organization for their sales.
* Developed a single page website using HTML, CSS, JavaScript. Used Heroku to publish the website

## CERTIFICATIONS & COURSES

* Python + Sql + Tableau: Integrating Python+sql+Tablaue
* Machine Learning A-Z: Hands-On Python & R in Data Science
* The Complete Node.js Course from Code with Mosh
* Mastering React from Code with Mosh