LAKSHMI NARASIMHA SAI NARNE

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Education

University of Houston   **Jan 2022 – May 2023**
Master of Science in Computer Science   *GPA:- 3.7/4*

RVR & JC College of Engineering   **August 2017 – July 2021**
Bachelor of Technology in Computer Science and Engineering   *GPA:- 9.38/10*

Experience

University of Houston   **Jan 2023 – May 2023**
Teaching Assistant   *Houston, USA*
- Responsible for two courses with 40 students; duties include grading assignments, providing feedback to the students and offering additional support via emails.
- Aiding in the revision of the class notes and delivering guest lectures on machine learning related topics.

University of Houston   **Sep 2022 – May 2023**
Research Assistant   *Houston, USA*
- Implemented Machine Learning models in Python, including logistic regression, SVM, RF, GB, ELM, and neural networks, to uncover the non-linear relationship between several socio-demographic factors and the teenagers acquisition of driver's license for millennials and their succeeding generation.
- Assisted in conducting research on the same topic and contributed to preparing the initial draft for the work.

Cognizant   **Feb 2021 – July 2021**
Programmer Analyst Trainee   *Hyderabad, India*
- Trained and worked in ASP.NET Framework, and developed an application with micro services using the ASP.NET Core MVC and Entity Framework, ASP.NET Core Web API, Postman API and testing frameworks such as NUnit, Moq etc.
- Utilized Microsoft Azure Logic Apps to host the web APIs and used continuous integration service in order to automate the entire process of loading the latest build code and test files.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.

Cognibot   **April 2020 – May 2020**
Intern   *Chennai, India*
- Worked as a research intern in the domains of ML, AI and IoT and implemented a project regarding stock price prediction using Neural Networks

Projects

Fuel Price Prediction Web App | *C#, ASP.NET Core, Entity Framework, NUnit, Visual studio*   **July 2022**
- Developed a web application that determines the fuel rate based on certain criteria and past records in the database.
- Used entity framework to perform CRUD operations in the database, used Microsoft SQL Server Management Studio to create the database and store the data and implemented NUnit and Moq frameworks to create the unit test cases.

Customer Feedback Analysis | *Python, PySpark, Deep Learning*   **July 2022**
- Implemented a project that identifies the product if it is bad or not based on the review given by the customer. Data was preprocessed using PySpark and various neural network models were used for the classification.
- Constructed models with CNN, LSTM, Bi-LSTM and also built hybrid models such as CNN-LSTM, CNN-Bi-LSTM. The model with best accuracy was chosen to build an app for bad product identification based on the feedback given.

Facial Expression Recognition Using Convolutional Neural Networks | *Python, Jupyter*   **May 2021**
- Implemented a project that classifies expressions based on static images, using CNNs, without requiring any pre-processing or feature extraction task
- Uses CNN model and utilizes OpenCV to capture the video from camera, processes it and outputs the expression label.

Return Order Management System | *C#,ASP.NET Core MVC, ASP.NET Core Web API, Visual studio*   **April 2021**
- Developed a web application that allows customers to return a product or replace the damaged parts of the product.
- Implemented NUnit and Moq to create mock Web APIs in order to interact with the correct elements of the web page.
- Created Azure DevOps instances to run the web APIs online, allowing the program to run from anywhere in the cloud.

Technical Skills

Languages: C#, C, C++, Python, Java, R
Cloud Environment: Azure and AWS
Web Development: HTML, CSS, Bootstrap, JavaScript, React, ASP.NET Core
Database: MySQL, SQL server
Tools: Docker, Jenkins, Terraform, Git, Kubernetes
Certificatons :
- AZ-900 Microsoft Certified : Azure Fundamentals
- Successfully completed certification on Front-End Web UI Frameworks and Tools : Bootstrap4 by Coursera.
- Certification courses on Ethical Hacking, Design and analysis of algorithms by NPTEL