Balaram Revanth Namburu

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EDUCATION

The State University of New York at Buffalo, Buffalo, NY   **September 2021-July 2023**
Master of Science-Data Science   **(GPA: 4.0/4.0)**
Relevant Course Work: Numerical Mathematics, Python Programming and Data Base, Statistical Data mining, Introduction to Probability.

Jawaharlal Nehru Technological University Kakinada-UCEV, India   **August 2016 – September 2020**
Bachelor of Technology-Computer Science & Engineering   **(GPA: 8.78/10.0)**
Relevant Course Work: Linear Algebra and Calculus, Discrete Mathematics and Automata Theory, Computer Networks, Operating Systems, Data Base Management Systems, (Advanced) Data Structures, Design and Analysis of Algorithms, Compiler Design, Data Mining and Warehousing, Machine Learning, Artificial Neural Networks and Big Data**.**

INDUSTRIAL EXPOSURE

Software Engineer 1, NCR (National Cash Register)., India   **October 2020 – August 2021**
- Established multiple pipelines for continuous and automated testing using Jenkins.
- Developing an automated analysis reports of the CICD pipeline results that provides system insights. Including stabilizing of pipeline and improving the reporting capabilities.
- Part of solution integrations and test automations.
- Maintained environment upgrades and setups for every regression as in a role of DevOps engineer.

Software Engineering Intern, NCR (National Cash Register)., India   **February 2020 – September 2020**
- Increased the test coverage and automation scripts that reduce manual effort.
- Stabilizing the CICD pipeline regularly.
- Collaborating with multiple teams (3) for solution integrations.

Student Intern, Eunimart., India   **May 2018**
- Worked as a support for the front-end development. Developed an HTML page.
- Experienced real time projects that deal with customer needs.

SKILLS & TOOLS

Languages: Proficient:(Python, Java), Intermediate:(C, C++, R, MATLAB)
Database Management: MySQL, SQLite
Web Development: Intermediate (HTML, CSS, JavaScript)
Machine learning: Intermediate:(TensorFlow, Keras, Sklearns, Pandas, NumPy, Matplotlib)
Software & models: PyCharm, IntelliJ IDEA, Eclipse, Jupyter, Visual Studio, Agile

PROJECTS

Statistical analysis of FNA diagnosis data to detect breast cancer: **November, 2021- December, 2021**
- The FNA (Fine Needle Aspiration) technique is used to identify breast cancer in this project.
- Linear regression, logistic regression, support vector regression, Gaussian process, and Random Forests are some of the statistical approaches used.
- R and RStudio were used to run the code and visualize the results.

Stock Market Prediction: **November, 2021- December, 2021**
- The project is about a cutting-edge prediction model for predicting stock price trends.
- Long short-term memory networks were used in the implementation (LSTM).
- For predicting the stock's closing price and graphing the trends over time, I used Python notebooks and SQL.

Food classification and nutrient analysis using Deep Learning: **August-2020**
- Project deals with food classification, variety of foods into different categories and analyzing the nutrients in it.
- To examine the performance, multiple models such as VGG16, VGG19, ResNet18, and ResNet50 were used to implement the classification.
- Jupyter and Kaggle were used to create Python notebooks. Kaggle GPUs were also utilized.