Dinesh Ogirala

Software Engineer

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EDUCATION

Grand Valley State University, Grand Rapids, Michigan **Dec 2020**
Master of Science in Applied Computer Science
Coursework: Java and Python Programming, Data Structures, Distributed Systems, Machine Learning, Data Analysis, Database Management Systems, Principles of Database Design, System Analysis and Design, Data Visualization.

Jawaharlal Nehru Technological University, Hyderabad, INDIA **May 2018**
Bachelor of Technology in Computer Science and Technology

TECHNICAL SKILLS

- Programming Languages: Python, SQL, Java, C/C++
- Database Systems: MySQL, PostgreSQL, IBM Db2, Microsoft Azure, Google Cloud Platform
- Big Data and Distributed Ecosystems: Hadoop (HDFS), Spark
- Data visualization, BI/Dev tools: Tableau, Power BI, Jupyter Notebooks
- Machine Learning: Pandas, Numpy, Scikit-learn, Seaborn, NLP, NLTK, SpaCy, IBM Watson Studio
- Deep Learning: TensorFlow

WORK EXPERIENCE

Xenia Hospital, Hyderabad, India **– Software Engineer** **Jun 2017 – Nov 2018**

- Collaborated with a team of 5 to assist the company in analyzing the types of patients who might be prescribed with certain types of drugs that led to Cost cutting by 2-fold Y-o-Y in 2018.
- Exploring our data to uncover meaningful insights in changes by building dashboards to help drive company growth.
- Greatly contributed to giving insights using the data provided and achieving the hospital's goal of reducing inventory costs by 10%.

Syscon Solutions Pvt Ltd, Hyderabad, India - **Software Developer Internship** **Jan 2017 – Jun 2017**

- Participate in design and development of new features, products and utilities.
- Assisting in requirements definition, design reviews, implantation, testing and initial documentation.
- Supported data cleansing strategies and action plans to validate cleansed data.

CERTIFICATIONS

- **Microsoft Certified Azure Data Scientist Associate** (Certificate number: H630 – 3955)
- **IBM Data Science Professional Certificate** by **IBM**

ACADEMIC PROJECTS

Exploratory Data Analysis – Skills: Python and Data Visualization

- Developed a model which predicts the readability of a document using Flesh Index Score.
- The Model is developed calculating the Number of syllables, Number of Words, Number of sentences.
- 60% of my predictions fall in the right grade level whereas nearly 35% in only one grade level above or below.

Naïve Bayes for Spam Classification – Skills: Python, Data preprocessing, Machine Learning and NLP

- Built a Machine learning model based on supervised learning technique to classify spam text/email.
- Performed Vectorization using bag-of-words model with an accuracy of 96%.
- It has only 6 false positives and false negatives for a testing set of 1293 emails.