NAVYASHREE BUDHIHAL MUTT

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QUALIFICATIONS

Technologies:

Languages: Python, Java, MySQL
Discipline: Data pre-processing, Machine learning, Model training, Deep Learning, Big Data
Libraries: Numpy, Pandas, Keras, Sklearn, TensorFlow, Matplotlib
Platforms: Windows, Linux, Jupyter Notebook

Certifications: Certified in Technical skills and Python from IIT – Bombay.

Strengths: Quick learning, implementing new skills and grasping new technologies. Adept to socializing in order to achieve collaboration.

ACADEMICS

Master of Science in Computer Science, University of Texas, Arlington — Aug'21 - May'23
Bachelor of Engineering in Computer Science, Visvesvaraya Technological University **(GPA 3.7)** — Aug'15 - May' 19

Research paper:

- RYMECse - An Android Application for CSE Department [IJARCCE], Literature Survey on Fractals [IFERP].

WORK EXPERIENCE

Project Engineer, Wipro Technologies Pvt. Ltd. — June'19 - July' 21

- Accomplished ServiceNow Developer, implemented predictive intelligence, training of chat bot in the client portal where the bot was trained by NLP model.
- Trained the model with knowledge bases of respective geographic locations that saved 10 hours of end-user article read time and configured the model to be relevant responsive to the user based on keyword intents received from the user.
- Worked on integration of NLP models with the websites, making an easy access of information by designing portals using front-end technologies like Angular, JavaScript, HTML and CSS.

PROJECTS

Data Analytics and Modelling - Analysis and Predictive product quality check

- *Task*: To understand the factors impacting the quality of products like furniture etc., and predicting its usage percentage, usability time using data-preprocessing techniques to draw clean data, implementing machine learning algorithms to understand and improve accuracy.
- *Technologies*: Python, Pandas, Numpy, Matplotlib, Supervised learning
- *Result:* Achieved an AUC of 0.88, an increase of 0.11 from initial AUC of 0.77 using machine learning optimization.

Machine Learning - Predicting Class result in IS journals dataset

- *Task*: Determining class result by training classifier model using logistic regression and random forest classifier based on Countvectorizer and TruncatedSVD.
- *Technologies*: Python 3, Sklearn, Unsupervised learning
- *Result*: Achieved final AUC of 0.91, an increase by 0.06 from initial AUC of 0.85. using machine learning optimization.

Deep Learning – Hyperparameter tuning for sign MNIST dataset

- *Task*: Building CNN and performing hyper parameter tuning to reach maximum accuracy.
- *Technologies*: Python 3, Keras, Tensorflow, CNN
- *Result***:** Built and evaluated CNN models. Performed hyper parameter tuning: changing epochs, batch size, activation, maxpooling etc. to achieve better accuracy. Achieved a final accuracy of 0.90, increase by almost 0.19 from initial 0.71.

Security Management – Building database and form-based interactive platform

- *Task:* Create conceptual design schema, databases, load of data, implement SQL queries to retrieve data, displaying the CRUD operations in front-end platform.
- *Technologies:* WAMP Server, SQL workbench, MySQL, Python
- *Result*: Designed the database, web-based form, executed queries to retrieve data using SQL knowledge.