Abhishek Chandrashekar

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PROFESSIONAL SUMMARY

A skilled IT professional with a Master's in Business Analytics and a Bachelor's in Computer Science. Proficient in Python, SQL, and various other frameworks, with a successful track record in data analysis and machine learning projects. Eager to leverage expertise to spearhead transformative data analytics initiatives.

EDUCATION

The University of Texas at Dallas May 2024
Master of Science, Business Analytics - CGPA - 3.7/4.0 *Dallas, USA*
Coursework: Algorithms, Database Design, Advanced Statistics, Machine Learning, NLP

Visveswaraya Technological University (VTU) May 2021
Bachelor of Engineering - Computer Science and Engineering - CGPA - 8.49/10.0 *Bengaluru, India*

TECHNICAL SKILLS

Languages: Python, SQL, SAS, R, Java, HTML/CSS
Frameworks and Tools: LangChain, TensorFlow, PyTorch, KerasTuner, Scikit-learn, H2O, StatsModels, Jupyter, NumPy, Pandas, Matplotlib, MySQL, MS Excel, Darknet, Git, Django
Certifications: Applied ML - UT Dallas; Deep Learning Specialization, Gen AI with LLM's - Coursera

EXPERIENCE

Programmer Analyst Trainee Nov 2021 – Jul 2022
Cognizant Technology Solutions *Bengaluru, India*
- Employed robust SQL analytics to analyze client transaction data, identifying commission model gaps and proposing enhancements, leading to a **5%** reduction in potential revenue loss.

Machine Learning Intern Jun 2021 – Sep 2021
BEPEC Solutions *Bengaluru, India*
- Developed a churn prediction model for a top MENA bank, reducing customer churn by **5%** in the next 10 months through enhanced visibility on potential churn.
- Created **Matplotlib** dashboards to pinpoint customer pain points, boosting satisfaction by **15%**.

Deep Learning Intern Dec 2020 – Jun 2021
IXIONO PTE Ltd *Singapore, Singapore*
- Employed **TensorFlow** and **Darknet** on Google Cloud to train and test diverse deep learning models for an agricultural company, achieving a model accuracy surpassing **98%**.
- Developed a web app for clients to capture and categorize images, reducing manual effort and time.

PROJECTS

SBA Loan Classification | *H2O, Sklearn, Pandas, SHAP* | Jul 2023
- Developed a binary classification model to forecast loan approval, achieving an AUC score of **0.84**.
- Utilized SHAP plots to assess feature importance to further optimizing model performance.

Disease Detection in Poultry | *Darknet, Django, Git, Python* May 2021
- Created a Disease Analysis tool utilizing **YOLOv4** for poultry farmers to detect contagious diseases, resulting in a mortality reduction of **20%** and a **15%** year-on-year increase in average farm revenue.

Glaucoma Detection | *TensorFlow, KerasTuner, Git* | Jul 2021
- Built a **CNN model** which detects the presence of Glaucoma by analyzing OCT scans with an accuracy of **98.7%** primarily aimed towards providing a cheaper alternative to people aged **60+.**

PUBLICATIONS

- C, Abhishek et al. (Jul 2021). *"A Comprehensive Survey on Convolutional Neural Networks."* Artificial Intelligent Systems and Machine Learning, Volume-9, No-3. **(Best Paper Presentation Award)**
- C, Abhishek et al. (Jul 2021). *"Broiler Disease Detection using YoloV4".* International Journal of Advances in Science, Engineering and Technology(IJASEAT), Volume-9, Issue-3.