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| --- | --- | --- | --- |
| **Career Objective** | | | |
| Aiming to achieve a challenging and successful career, where I can constantly learn and make a significant contribution by my innovative ideas, knowledge, skills and experience with the objective of development and growth of the Organization. | | | |
| **SKILL SET** | | **PROFILE SUMMARY** | |
| Machine Learning  Deep Learning  Neural Network  Image processing  Open CV  Python  Panda  TensorFlow  Jupyter Notebook  Spyder | | * Experienced **Lead Engineer** data scientist with **36** months of Experience in industry. * Strong background in **computer programming** language, and knowledge of various types of **Supervised** and **Unsupervised learning**. * Strong skills in **statistics** and **algorithms**. * Commitment to providing support and essential information about trends to company in a variety of businesses. * Strong **technical, analytical, Research-oriented, problem solving** & **organizational** abilities. * Possess **flexible, motivated, self-starter** & **detail oriented** attitude. | |
| **WORK EXPERIENCE HCL (**Jan 2019-Present**)** | | | |
| **ECO Tool:** | * Balloon Detection and text extraction from image using Open cv and Deep learning such feature as tesseract OCR. * Visualize the text data and their relationship using Tableau. * Extracting the digit and saving to the Excel file, using Mask RCNN for better accuracy. | | |
| **WORK EXPERIENCE WIPRO (39 MONTHS)** | | | |
| **Video Analytics:** | **WIPRO** | | September 2018-December 2018 |
| * Build a deep learning model using Alex Net Caffe model as a transfer learning, which can detect all type of anomaly (Creak, Fracture, Root, Broken, Hole, Joint, Deformed, Collapse, Deposits, Infiltration) in sewerage pipeline and find the exact position (using digit model) of the anomaly. We have developed deep learning model which can predict 10 types of anomaly and 56 types of sub anomaly with 81% of accuracy. * Retrained the entire network using approx. 1,62,186 images (with argumentation) with 25 epochs. * Identified anomaly location and anomaly type to accuracies of 72% and 81% respectively. | | |
|
| **Damage Detection:** | **WIPRO** | | Dec 2017 – July 2018 |
| * Identifying damage and severity to accuracies and severity to accuracies of 79% and 71% respectively, comparable to human performance * Predefined convolution neural networks using transfer learning on SSD Inception and SSD-mobile net * Built Machine Learning Models with 92% of accuracy. | | |
| **Crack Detection:** | **WIPRO** | | Feb 2017 - Jun 2017 |
| * Worked on Open CV- image processing for Object detection * Worked on Morphological operation, Canny edge and Gaussian blur * Worked with various 2D- CNN self-define Network. * Annotated. images and using JSON file for Training and Testing * Implemented NMS, Ground truth of the detected images | | |
| **Housing Data:** | **WIPRO** | | Sep 2016 - Jan 2017 |
| * Build a regression model for the housing price and perform exploratory data analysis. Python. * Responsible for Data cleaning, Data preprocessing using Pandas and NumPy Panda * Visualization of Data using Matplotlib and Seaborn for better understanding. * Built Machine Learning Models with 92% of accuracy. | | |
| **Education** | | | |
| * Master of computer application, KIIT University (80.0%) * Bachelor of computer application, KIIT University (75.3%) * Senior School Certificate, Vedbyash residential college (55%) | | | |
| **Training and Certification** | | | |
| * Attended 3 months training on “Decision Science Platform (Open source)” at Wipro Technology. * Part of AI ML Program of Wipro and Certified for the same. * Python for Data Science and Machine Learning Bootcamp by Udemy. * Learning Python for Data Analysis and Visualization by Udemy * Complete Python Bootcamp: Go from zero to hero in Python by Udemy | | | |
| **Declaration** | | | |
| I Hereby declare that the above mentioned information is correct up to my knowledge & I bear the responsibility for correctness of the above mentioned particulars. | | | |