**Pavithra Devi M**

Last Updated - 1 April 2021

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| ***EDUCATION:***  **B.E - Computer Science and Engineering**  University College of Engineering,(BIT campus)  🌢  Trichy. India **Focus**: Information and Data Science  Expected Graduation on May 2021 **Grade**: **8.55** CGPA  **Senior Secondary & Secondary Education**  DEVANGAR HIGER SECONDARY SCHOOL  🌢  Dindigul. India **Focus**: Biology • CS  Senior Secondary - **Completion Year**: 2017 | **Grade: 95.33**%  Secondary - **Completion Year**: 2015 **| Grade: *99*** *%*  ***PROFIE* :**   * Developed ***CNN*** & Full Connected Nueral Network from ***scratch*** using numpy only. * **Hackerrank** – 5 star in python , 3 star in java. , 3 star in problem solving. * **Completed 100+ problems in LeetCode.** * Completed 7 Quiest in **Google Cloud ready program**   ***WORK EXPERIENCE***  **Data Science Intern**  **SPECROM ANALYTICS**  🌢   **Dec 2020 – Jan 2021**  Mumbai, India - WFH   * Efficiently doing **text analysis with Spacy and nltk**. * Providing effective analysis on tech news articles*.* * Used NER, Spacy & Gensim*.*   **Machine Learning & Data Science Internship Program**    **TECHNOCOLAPS**  🌢  July 2020 – Aug 2020 **Bangalore. India - WFH**   * Worked on “**Reducing Traffic Mortality**” using Clustering and feature selection. * Implemented model Evaluation algorithms from scratch. * Deployed on Web using Flask and python * Used Machine Learning, Pandas, Heroku, Numpy.   ***AWARDS & ACHIEVEMENTS***  **Hackathons**:   * **Finalist & Runner Up** in SIH 2020. * **Winner of Top Coders & Top Designers** Contest 2021. * **Runner Up** Manipal Hackathon 2019. * **Participated** in SIH 2019, Manipal 2018.   ***SCHALORSHIP & FELLOWSHIP***   * **Mirosoft AzureML Schola**r - Udacity & Microsoft - 2020. * **[Fellow@alpha.ai](mailto:Fellow@alpha.ai)** - Data Story telling and data Visualization. * Open source Contributor in contrbutor;s Hack 2020.   ***LANGUAGES KNOW***:   * **English** – Proficient – Speaking & Writing * **Tamil** -- Proficient – Speaking & Writing * **Kannada** -- Proficient – Speaking. | ***TECHNICAL SKILLS****:*  **Programming Languages :**   * Python3 , Java , C   **Data Science & Machine Learning :**   Keras, Sklearn, Pandas, Spacy, Numpy, Tensorflow,  AzureML  **Web :**   * HTML5 , CSS3 , Boostrap, NodeJS , JavaScript , Flask   **Computer vision:**   * OpenCV , CNN   **Data Base Management :**   * MySQL, PostgreSQL   **IDEs :**   * Pycharm, Colab, Spyder, Jupyter , Visual Studio Code   **Cloud Platforms & Services :**   * IBM cloud, Azure, Cloudant, Watson, Nodered.   **Data Visualization :**   * Dash, Excel, Tableau, Matplotlib.   ***PROJECTS***  **Tecon - Automatic Document Verification** GitHub   * This is a web app using OCR to verify the documents and distribute the hall ticket , if the applied candidate eligible to particular exam. * It can reduce human error and save human time, which was made by manual processing. * With this app government examination **candidates can register and collect their hall ticket without any human interaction**.   **Emojify - Facial Emotion Based music Recommendation**  GitHub   * Web app that recommend the songs based on our mind set. * Capturing your face , predict your emotion using our trained model and pop up list of songs that matches your mind set.   **DNA Analysis and Detection of SARs-COV-2 using**  **CNN and ML from scratch** GitHub   * Find the similarities and different between the DNA sequence collected from the NCBI. * Uisng **CGR & FCGR** methodology converted those DNA sequences into image representation. * **This data is futher used to detect the Convid19 presents in the unknow DNA sequence.** * Through out web app notify the public health care to take public decisions.   **Covid19 Dashboard with place based sentiment Analysis** GitHub   * **Live user interactive web dashboard** giving complete information about Covid19. * Government can take decisions according to the sentiment of people in different locations. * The trained model predict the sentiment **with 98.5% accuracy.** * Web app contained **CovidBot** which can answer basic questions about corona developed using IBM Watson. |