

Pavithra Devi M

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Github - pavi-ninjaac

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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 Scholar** - Udacity & Microsoft - 2020.
- **Fellow@alpha.ai** - Data Story telling and data Visualization.
- Open source Contributor in contributor;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 , Bootstrap, 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

Git-Hub

- Find the similarities and different between the DNA sequence collected from the NCBI.
- Usng **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.