Padala Pushkal

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EDUCATION	**B.E Third Year, Computer Science** [2019 - ongoing]

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The National Institute of Engineering, Mysore, India
Intermediate - Narayana Junior College (BIEAP) - CGPA of **9.94**/10 [2017 - 2019]
Secondary School - MP and EV English Medium school(CBSE)- CGPA of **10**/10 [2010 - 2017]

EXPERIENCE

Intern in Samsumg Prism [Ongoing]
Working on developing deep video inpainting methods. We proposed a method that uses information from neighbouring frames in a video sequence to estimate hole/black regions in the frame. We are preparing our own dataset to test the model.

Research Intern in Andhra University College of Engineering ,Visakhaptnam [2020]
Worked in the area of Machine Learning and Robotics and briefly studied about the Driver Assistance Systems in existence. Worked on python implementation for a novel approach for Driving Assistance System, Adaptive-Mask-Modelling Driving Assistance System with intuitive wide field-of-view modeling architecture.Wrote Python Scripts for testing the system on custom-built datasets to generalize its reliability and robustness under multiple wild conditions, input traffic scenarios & locations.

TECHNICAL SKILLSET

Languages - C, C++, Python, Bash
Tools/Frameworks - Git, Bootstrap, DialogFlow, Visual studio
Area of Interest - Web development, Cyber Security, Artifical intelligence
Currently Learning - Django, Node.js

JOURNAL PUBLICATIONS

- **l, r-Stitch Unit: Encoder-Decoder-CNN Based Image-Mosaicing Mechanism for Stitching Non-Homogeneous Image Sequences**, IEEE Access, Volume 9 - view here
- **AMMDAS: Multi-modular generative masks processing architecture with adaptive wide field-of-view modeling strategy**, IEEE Access, Volume 8 - view here
- **Secure Communication for Intelligent Enterprises**, 2020 International Conference on Inventive Computation Technologies (ICICT) - view here

RELEVANT COURSES

Data Structures and Algorithms, Unix Programming, Computer Networks, Object Oriented Programming, Software Engineering, Operating Systems, Database Management System.

OTHER PROJECTS

- **Password Recollection**
  A Web-Application which uses HTML, CSS, JS - front end and NodeJS , ExpressJS - Backend and MongoDB for db which helps the user store confidential data such as their passwords to various webistes and recover them when required.

- **Vehicle Rental Management System**
  Implemented a Command Line Interface system for Vehicle Rental management using C++ Standard library following object oriented programming principles such as Classes, Objects, Encapsulation, Inheritance and Polymorphism.

- **Tick-Tack-Toe**
  Implemented a Graphical User Interface system for playing tick-tack-toe using Python framework Tkinter. It can be played by two people at once and reset to start over and exit when done. Result will be displayed after every Win/Lose/Tie.

CAMPUS ACTIVITIES

- **Onyx Club** : Permanent Member from 2019
  Took part in Orientation 2019 and organized various activites as a part of Onyx team.

- **ISSA Club** : Member
  Took part in Orientation on 8th April 2019 and particpated in events organized by ISSA.

- Took Part in **TechNIEks 2022** it is the Annual Cultural Fest of The National Institute of Engineering.

- Particptaed in **TechNIEks Run 2020** 5K Marathon race for the cause - Autism.