PAVAN BALOJU

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OBJECTIVE

To work as an Application Developer at Thoughtworks in a challenging, diverse and growth oriented environment by contributing in application design, development and delivery through continuous learning and by making best use of skills efficiently, resulting in growth of the organization along with the aimed positive change in the society.

EDUCATION

B. Tech	Rajiv Gandhi University of Knowledge Technologies, Basar Department of Computer Science and Engineering July, 2017 – May, 2021 CGPA: 8.74 (5 semesters)
Pre-University Course	Rajiv Gandhi University of Knowledge Technologies, Basar MPC July, 2015 - May, 2017 CGPA: 9.41
S.S.C.	St. Mary's High School, Hasanparthy June, 2003 - Mar, 2015 GPA: 10

INTERNSHIP

Jun,2020 – Jul, 2020	***Summer Research Intern*** **Supervisor:** Pabitra Mitra, Dept. of CSE, IIT Kharagpur, Kharagpur, West Bengal, India **Project:** Semantic Segmentation in UAV based Agriculture images **Description:** Task is to recognize agriculture field patterns using deep learning techniques. Images from "Agriculture-Vision Challenge Dataset" were taken to perform semantic segmentation using the state-of-the-art CNN models. Performed various pre-processing techniques with combinations of different architectures like U-net, EfficientNet, ResNets and observed results obtained by playing with hyper parameters. Keras was the framework used.

PROJECTS

MACHINE LEARNING	1. Face Verification and Face recognition using CNN and transfer learning 2. Traffic Sign Classification for Self Driving Cars using GTRSB dataset 3. Cat vs Dog Classifiers using data augmentation
PROJECT LUCY	**Year:** 2020 **Description:** Lucy is a voice based GUI Automation Software developed using Python modules like Speech recognition, pyautogui, etc. It substitutes few keyboard and mouse controls with voice commands in operating applications like Notepad, VLC media player etc. It works on Windows OS and is similar to voice assistants with more user friendly commands.
BOOK BUS	**Year:** 2019 **Description:** It is a Bus Reservation System built in Java using OOP concepts, DBMS and Swings. Users can book tickets for available buses to the desired destinations on any given day.

SKILL SET

MACHINE LEARNING	Regression, Classification, Visualisation, Parameter tuning, Regularisation, Data Mining, Octave and Python
DEEP LEARNING	Deep neural nets, CNNs, Transfer Learning, Hyperparameter tuning, Data augmentation
PYTHON LIBRARIES	Numpy, Pandas, Matplotlib, Seaborn and Sklearn.
AI FRAMEWORKS	Tensorflow, Keras.
PROGRAMMING	C, C++, Python, Java, SQL, OOPS, Data Structures and Algorithms

CERTIFICATION COURSES

COURSERA	1. Machine Learning by Andrew Ng 2. Machine Learning with Python by IBM 3. Deep Learning Specialization by deeplearning.ai
NPTEL	1. Programming in Java 2. Programming, Data Structures and Algorithms using Python
TCS iON	1. Career Edge- Knockdown the Lockdown

ACHIEVEMENTS

SCHOLASTIC	1. Project Lucy was in top 5 best projects in Technical Fest 2. Secured 673 rank in Pre-Qualifier round in Codevita Season 9 3. Achieved rank of 230 in TS POLYCET 2015 and 126 in TSRJC 2015 4. Mandal Topper in S.S.C.
OTHER	1. Football Champions in University Sports Fest 2017-18 and Runners in Sports Fest 2019-20 2. Debate Champions in University Debate Championship under AntahPragnya 2019-20

HOBBIES

1. Practicing Competitive coding
2. I have a personal blog on Instagram with the handle @thesilentcritic
3. Active participation in sports like Cricket, Volleyball and Football

RESPONSIBILITIES

1. Vice-Captain of CSE Football Team (2019-20 sports meet)
2. Class Representative in Semester I of academic year 2019-20

STRENGTHS

1. Fast Self learning skills with strong determination
2. Enthusiastic towards learning new things by research
3. Confident about self and aimed at development

PROFILE

Father name	B. Raghava Chary
Nationality	Indian
Languages	English, Hindi and Telugu
Address	4-26, Vanchanagiri, Warangal Rural, Telangana, India, 506330.