

SOWMYA SANAGAVARAPU

NO. OF NATIONAL AND
INTERNATIONAL PUBLICATIONS: 9

AWARDS AND RECOGNITION

BEST PAPER AWARD

**NEWS CATEGORIZATION USING
HYBRID BILSTM-ANN MODEL WITH
FEATURE ENGINEERING**

11TH IEEE CCWC 2020, UNIVERSITY OF
NEVADA, LAS VEGAS, USA

BEST PAPER AWARD

**DETECTION AND PROGNOSIS
EVALUATION OF DIABETIC
RETINOPATHY USING ENSEMBLE
DEEP CONVOLUTIONAL NEURAL
NETWORKS**

22ND IEEE IES 2020, POLITEKNIK
ELEKTRONIKA NEGERI SURABAYA
(PENS), SURABAYA, INDONESIA

TOOLS AND TECHNOLOGIES

-Pgrm. Lang.: JAVA, R, Python, SQL, C, C++
-SDN: RYU Controller, OpenFlow Protocol,
OpenVSwitch, Sflow-RT Packet Tracer, NS2
-Unit3D: C#, Vuforia
-Scripting Lang: HTML, CSS, PHP, JavaScript
-TCP/IP socket programming
-UNIX/LINUS System Administration

LANGUAGES KNOWN

English, Hindi, Telugu, Tamil, German

DETAILS

Gender: Female

Phone: +91 9600327018

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LinkedIn:

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WORK EXPERIENCE

DATA ANALYST

DEPARTMENT: BUSINESS ADMINISTRATION WAREHOUSING, RMO
CITICORP SERVICES INDIA PRIVATE LIMITED(CSIPL), AUG 2020-PRESENT
CHENNAI, INDIA

FULL-LENGTH PAPER REVIEWER

MEMBER OF TECHNICAL PROGRAM COMMITTEE,
IEEE IEMTRONICS 2021
TORONTO, ONTARIO, CANADA

MAR - MAY 2021

INTERNSHIPS

COLORIZATION OF GREYSCALE IMAGES USING DEEP LEARNING

SCIENCE ACADEMIES' SUMMER RESEARCH FELLOW MAY 2019-JULY 2019
UNIVERSITY OF HYDERABAD, HYDERABAD

**ANALYSIS OF VARIOUS FEATURE SELECTION ALGORITHMS IN
DIMENSIONAL REDUCTION** MAY 2018-JULY 2018

SUMMER RESEARCH INTERNSHIP, COLLEGE OF ENGINEERING GUINDY, ANNA UNIVERSITY
17TH CIIT 2020, SS. CYRIL AND METHODIUS UNIVERSITY IN SKOPJE,
REPUBLIC OF NORTH MACEDONIA

EDUCATION

BACHELOR OF ENGG. - COMPUTER SCIENCE AND ENGG MAY 2020

COLLEGE OF ENGINEERING GUINDY, ANNA UNIVERSITY **CGPA 9.37**

HIGH SCHOOL (CENTUM IN MATHS, CHEM AND CS) MAY 2016

ATOMIC ENERGY HIGHER SECONDARY SCHOOL **CGPA 9.73**

SCHOOL APRIL 2014

KENDRIYA VIDYALAYA NO.2, KALPAKKAM **CGPA 10.0**

MAJOR PROJECTS

Software Defined Networks

B.E. FINAL YEAR PROJECT: OPTIMIZING PERFORMANCE IN SOFTWARE DEFINED-
WIDE AREA NETWORKS (SD-WANs) USING DEEP LEARNING IN MULTI-CLOUD
Dynamic Routing Framework Proposal for SDWAN using Topology-based
Multitask Learning

Natural Language Processing with Deep Learning

Sentiment Analysis Using Ensemble-Hybrid Model with Hypernym Based
Feature Engineering
Twitter Social Networking Graph using Hypernym based Semantic
Similarity Detection
Fake News Detection and Analysis using Multitask Learning with BiLSTM
CapsNet model

Sentiment Analysis Using Ensemble-Hybrid Model with Hypernym Based
Feature Engineering

Augmented Reality

Instant Tracking-Based Approach for Interior Decor Planning with
Markerless AR

Internet of Things

Cross-Platform Remote Desktop Sharing with IP Tunneling