

BAIRAJU MAHALAKSHMI

Machine Learning enthusiast

@lakshmiit49@gmail.com
9490934417, 6300436612
Rayachoty, Andhra Pradesh
<https://github.com/bairaju>
<https://www.linkedin.com/in/bairaju-mahalakshmi-3aa072140/>



EDUCATION

B.Tech (Electronics and communication engineering)

IIIT, RGUKT, RKValley

2017-2021

Vempalli, Andhra Pradesh

PUC (Pre university course)

IIIT, RGUKT, RKVALLEY

2015 -2017

Vempalli, Andhra Pradesh

SSC (secondary school certificate)

ZPHS, Reddivari palli

2014-2015

Veeraballi, Andhra Pradesh

EXPERIENCE

DEEP LEARNING INTERN

CODEGNAN IT SOLUTIONS

Feb 14th – March 14th

Vijayawada

- Worked on NLP BERT MODELS for Text Classification and Real time face Recognition and Intelligent Video Engine.
- Implemented Face detection based VLC Media Player.

RESEARCH INTERN

Mahindra Ecole Centrale

Dec 9th –Feb 9th 2020

Hyderabad, Telangana

- I have worked on Hop field associative memories, image segmentation, multiclass classification and Incremental Learning.
- I have written 2 research papers on Hop field associative memories and Incremental Learning and submitted to top conferences.

PUBLICATIONS

- 1-D/2-D/3-D Hopfield Associative Memories
Presented at ICAIML 2020 on Sep 4th-5th, 2020.

- Deep Neural Networks: Incremental Learning
Presented at Intellisys 2020 on Sep 3rd-4th, 2020.

- Web based Attendance System through Face Recognition
Submitted to ROAI 2020.

SKILLS

Python C Arduino Java Script

Matlab

Keras Tensorflow Machine Learning

Deep Learning Computer Vision Robotics

Data Science Image Processing

Micro Soft Word Micro Soft Excel

Micro Soft Powerpoint Micro Soft Outlook

Windows Ubuntu Fedora

RELEVANT COURSES

- Machine Learning and AI Foundations: Value Estimations
- Deep Learning Image Recognition
- Deep Learning Computer Vision, CNN, OPENCV, YOLO, SSD & GAN
- Deep Learning: Face Recognition
- Neural Networks and Deep Learning
- Building Deep Learning Applications with Keras 2.0
- C2CWC1xA18: Workplace Communication
- C2CSS1xA18: Soft Skills
- Getting Started with AWS Machine Learning
- Introduction to Deep Learning

LANGUAGES

English
Telugu
Hindi



ACHIVEMENTS



PROJECT EXHIBITION

I Won the 1st prize in project Exhibition Project Name called FIRE ALARM which is held at APIIT RGUKT RK-VALLEY on the eve of NATIONAL SCIENCE DAY during 27th, 28th Feb and 1st Mar, 2017.

PROJECTS

- INTELLIGENT VIDEO ENGINE

Worked on Bert models for Text classification, Face recognition, Hand gesture VLC player, chart bot, Natural Language Processing.

- SELF ALIGNMENT ROBOT

Worked on Machine learning, deep learning, Neural Networks, object detection using YOLO, path planning, Arduino IDE, OPENCV, python.

- ROBOTIC ARM

Worked on motors like servo, DC, stepper and builded 6 DOF Robotic arm, Arduino IDE.

- OBSTACLE AVOIDANCE ROBOT

Learned About Bluetooth module, Appl Inventer, Sensors.

- FIRE ALARM

Learned about Sensors which detects fire.

WORKSHOPS

- MACHINE LEARNING

Attended workshop "MACHINE LEARNING" on occasion of tech fest at AP IIIT RGUKT NUZVID TECKZITE'19, Feb-2019 by "AMZ AUTOMOTIVE" From the Team of motor sport engineers.

- VLSI

attended "VLSI" Workshop at APIIT RGUKT RKVALLEY on Software VIVADO on the occasion of Tech Fest ECNOVATION 2K'19. MARCH-2019 conducted by takeoff edu group.

- IEEE WOMEN IN ENGINEERING

Attended workshop "IEEE WOMEN IN ENGINEERING" at IEEE SB MJCET, BANGARAHILLS, HYDERBAD on Robotics for design of voice controlled Robotic arm.

- MSP 430

Attended Workshop "MSP430" at APIIT RGUKT RKVALLEY Which is Conducted by OY TECHNOLOGY on occasion of Tech Fest ABHIYANTH 2K'18.

- ASTRONICS

Attended "Astronics Workshop at APIIT RGUKT RKVALLEY on Arduino & Internet of things on the occasion of Tech fest ABHIYANTH 2K'17. MARCH- 2017.

- INTERNATIONAL CONFERENCE on MACHINE LEARNING and DATA SCIENCE.

Attended "International Conference on Machine Learning and Data Science" conference held at Mahindra Ecole Centrale, Hyderabad. December-2019.



PRATHIBHA AWARD

I Was awarded with PRATHIBHA Award by honorable former Chief Minister Sri Nara Chandra Babu Naidu Garu at Tirupati.

RESEARCH INTEREST

Machine Learning

Deep Learning

Robotics

Computer Vision

Image Processing

Data Science

Artificial Intelligence

STRENGTHS

Hard-working (18/24)

Enthusiasm

Motivator & Leader

Persuasive

Determination

EXTRA CURRICULAR ACTIVITIES

- Speaker in Workshop on WOMEN IN ROBOTICS.

- I Stood 1st place in Chekumuki Science Sambaralu 2013 Which Was Conducted by JANA VIGNANA VEDIKA (A.P).
- I Have participated in SCHOOL GAMES FEDERATION OF NIZAMABAD DISTRICT. conducted by SGF, Nizamabad.

MEMBERSHIP

- ROBORICS LAB OF RGUKT, RKVALLEY.
- HELPING HANDS ORGANIZATION OF RGUKT, RKVALLEY.
- NSS RGUKT, RKVALLEY.