B S BHANUJA

Bendapudi vari street,R.R.PET,Eluru,West Godavri dt,ANDHRA PRADESH
(+91)8919830599 ⋄ balijepalli1995@gmail.com

EDUCATION

Amrita Vishwa Vidhyapeetham, Coimbatore *July 2017 - August 2019*
Masters of Technology in Remote Sensing and Wireless Sensor Networks
CGPA: 6.98

SCSVMV University, Kanchipuram *August 2013 - April 2017*
Bachelor in Engineering
Department of Electronics and Communication Engineering
CGPA: 8.00

Sri Chaitanya Junior College, Vijayawada April 2013
Intermediate
Overall Percentage: 95.1

Dr.KKR's Gowtham Concept School, Eluru April 2011
Metric
Overall Percentage: 91.3

CARRIER OBJECTIVE

Seeking a position in network engineering where my dedication, meeting goals, creativityand the ability to follow through can be utilized for the better growth and profit of thecompany as well as myself.

AREA OF INTEREST

- Signal Processing
- Deep Learning
- Principles of Communication

PROJECTS

- **Health monitoring of machines using IoT module:**
  For the purpose of reducing man-power a module had been developed using an IoT module.The setup consists of a few sensors,a step-down transformer,a PIC Micro controller,LCD and an IoT setup. The recorder data will be stored in cloud for visualization.An IP address will be provided through which the condition can be reviewd.
- **Phonocardiogram Signal Classification using Deep Learning(Published):**
  The methods for diagnosing the patients of cardiovascular diseases have advanced from period to period. Based on the PhysioNet challenge 2016, this work concentrates on the Phonocardiogram (PCG) data classification. The PCG data of heartbeat can be analyzed to get the condition of heart.The proposed DNN architecture for PCG data classification provides high accuracy, when compared to all the classical machine learning algorithms.
- **Signal Classification using Deep Learning and RTL-SDR:**
  A CNN architecture is proposed to classify signal based on their modulation technique. The proposed model is evaluated based on various metrics like precision, recall and F1-score. The proposed system is tested with a RTL-SDR which scans the signal available and classify to defined classes. The classified model was tested with different signal to noise ratio(SNR). The proposed model achieved an accuracy of 91.63% at an SNR value of 40dB.

TECHNICAL STRENGTHS

Programming Skills:

- C++
- Python
- MATLAB
- SQL with Python

Operating Systems and Tools:

- Windows
- Linux
- Robot Framework
- Git
- Jenkins
- JIRA Tool
- Automation Testing

Certifications and Courses:

- Coursera Certification in Programming for everybody Python
- Telecommunication and Switching systems, BSNL

INTERNSHIP

- **Company: Nokia Solutions and Networks**
- **Location:** Bangalore
- **Period**: August 2018-June 2019
- **Project**: Wi-Fi Automation
- **Role and Work Done:**
  Being an intern had worked on a few projects such as Traceroute and Optimization of internal branches.During this period have gained knowledge about how to work with tools such as Robot Framework and Automation Software

WORK EXPERIENCE

- **Company:** IVTREE
- **Location:** Bangalore
- **Experience:** March 2020-Present
- **Role:** Software Developer
- **Work Done:**

EXTRA CURRICULAR ACTIVITIES

- Sports
- Travelling

- Poster Design

DECLARATION

The above information provided by me is true and have all relevant documents to authenticate the same.