

NAGANANDA KENGARI JAGADEESH

Student

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SUMMARY

Graduate student at New Jersey Institute of technology interest in Edge computing, Machine Learning and Artificial Intelligence. Proficient Project Engineer skilled in the Computer Network Engineering with two years of experience driving two projects. Actively looking for full time opportunities in Computer Engineering domain starting May 2022

EDUCATION

Master of Science in Computer Engineering| CGPA 3.8/4

Sep '21 - Present

New Jersey Institute of technology

Newark, New Jersey

Relevant Coursework: Computer Network Design and Analysis, Intelligent Sensing for Smart Grid and Smart City (computational intelligence), Machine Learning in Mobile Edge Computing Systems, Data Structures and Algorithms.

B.E in Electronics and Communication| CGPA 7.8/10

Jun '15 - Jun '19

S J B Institute of Technology

Bangalore, India

Relevant Coursework: Operating Systems, Python Application, Object oriented programming with C++, Programming in C and Data Structures, Artificial Neural Networks.

TECHNICAL SKILLS

Languages: Python, C, MATLAB, CSS/HTML and C++

ML Toolkits/Libraries : TensorRT, Pandas, NumPy, SciPy, Scikit-learn, Deep-Learning Designer toolbox in MATLAB

Application Software: VS Code, GIT, Jupyter, Cisco V-Manager, SolarWinds, ServiceNow, LabVIEW, Wireshark

Key Skills: Machine Learning Techniques, Switching and Routing (STP, BGP, EIGRP, OSPF), TCP/IP, Data Analysis.

WORK EXPERIENCE

Project Engineer

Jul '19 - Aug '21

Wipro Limited

Bangalore, India

- Responsible for managing the Infrastructure with over **200 Networking devices** including switches, routers, servers and wireless controllers
- Performed day-to-day Network operations such as **VLAN creation, interface modifications** and the routing of packets
- Handled many **protocol related issues** by troubleshooting DHCP, TCP/IP, DNS and Spanning tree Protocol
- Assisted to implement and support the **SNMP monitoring, Netflow configuration, and other network-monitoring** configuration in both projects.
- Have a good knowledge of **Cisco, Juniper, and Dell Hardware** while doing troubleshooting in the two different projects.
- Collaborated with Cisco in Network planning and implement **new SD-WAN technology** to optimize the network
- Created a **Root Cause analysis** for the high priority issues which was used to debug the issues with the hardware and Linux OS
- Operated closely with two clients to identify business needs, including costs and other benefits by **implementing computing solutions**.

Intern

Mar '19 - Apr '19

VI Solutions

Bangalore, India

- Contributed to the Systems integration of the Accelerometer to myRIO and display the XYZ axis on the LCD in LabVIEW **using I2C protocol**.
- Catered the support in building an application like a **function generator capable** of generating the signals for educational purposes.
- Enabled the interface between **Ultrasonic Sensor to myRIO** and was a part of designing the Front Panel in LabVIEW.

PROJECTS

Classification of MATLAB mobile Acceleration sensor data into different activities.

- Based on the Acceleration co-ordinate data we can try to classify the data into different activities like shaking, jumping and steady.
- In this project we have used the MATLAB to label, train and test the dataset then we have merged all the dataset and used it as an input for the training models (KNN and DBSCAN).

- The accuracy of the Model was around 99% for all the activities.

Automatic fault identification of microgrid using reinforcement learning model

- The simple approach is to first denoise the signal and then pass the signal through the deep learning layers to obtain the result.
- The described model in the code will provide an accuracy of more than 85% for the noisy data and around 99% for noiseless data.

Hand-Gesture-Recognition using NVIDIA Jetson Nano

- Classification of hand gesture which is used by scuba divers.
- Squeeze Net model was used from Torch vision framework and this model was deployed in Jetson Nano
- The accuracy was around 99%.

ACCOMPLISHMENTS

- Received Stay Green Champion award in Software Defined-WAN project for learning and deploying of New Technology in client environment in very short time.
- Mentored three interns in Wipro Limited for SD-WAN Project implementation by delegating few basic technical configurations of the cisco devices.