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"Be the master, People will follow you."

Carrer Objectives _

To seek an opportunity in the areas of Computer Networking, Machine Learning and IoT-based application development in a competitive work environment to utilize my academic skills and perform efficiently in the organization, by engaging in activities that enhance my technical and collaborative skills to help me grow as a professional.

Profile Summary _

- Good academic record.
- Exposure to UI development in Python and HTML.
- Good analytical, collaboration and communication skills.

Certification Courses

Complete Python Bootcamp: Go from Zero to Hero in Python 3, Udemy, Online

Course on Oct.7,2019

Complete Data Science Bootcamp: Udemy, Online Course, ongoing

Education _

Postgraduate - University Visvesvarayya College of Engineering(BU)

KR Circle, Bengaluru

2017 - 2019

- MASTER OF ENGINEERING IN WEB TECHNOLOGIES
- Secured an aggregate of 83.37%
- Research Assistant from Jan, 2019 Present

• Teaching Assistant for Microprocessor Laboratory.

Undergraduate - Atria Institute of Technology(VTU)

Hebbal, Bengaluru 2012 - 2016

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE

Secured an aggregate of 68.20%

• Stood at second place in Mad adds - 2K14 - Saptrang.

SCT Polytechnic(DTE)

DIPLOMA IN INFORMATION SCIENCE AND TECHNOLOGY

• Secured an aggregate of 60.83%

Vignannagar, Bengaluru

2007 – 2012

Govt PU College

PRE-UNIVERSITY COLLEGE (PCMB, KARNATAKA PU BOARD)

Kodighehally, Bengaluru

- Correspondence Course
- Secured 49.83%

Ashraya High School SSLC(State Board, Karnataka)

Hebbal, Bengaluru

2012

2012

Secured 62.56%

Skills

Programming Languages: C, C++, Java, LaTeX, Python

Web Development: HTML, CSS, Bootstrap, PHP, Django

Database Systems: SQL Server, MySQL
Operating System: DOS, Windows 10, Ubuntu

Softwares: Git, Eclipse, MS Visual Studio, Pycharm

Application Servers: Apache Tomacat, Xamp, Wamp

Simulation Tools: NS2, ONE

Editing Tools: Photoshop CC-17, CS6, Adobe Premier Pro, After Effects

Languages: Kannada, English, Hindi, Telugu

MARCH 3, 2020 NAGARJUN E · RÉSUMÉ

Areas of Interest

- Internet of Things
- Opportunistic Networks, Delay Torrent Networks, Wireless Sensor Networks
- Raspberry Pi Systems
- Web Technologies
- UI/UX Developer

Academic Projects

HMCRA: Hybrid Multi-Copy Routing Algorithm for Opportunistic IoT Network

UVCE, Bengaluru Jan. 2019 - Nov. 2019

MAIN CONTRIBUTIONS OF THE PROPOSED WORK

- Selecting potential nodes among various available nodes to disseminate message using fuzzy logic. Fuzzy rules formulation based on energy, speed and distance.
- Finding reliable and optimal route to deliver message from source to destination using GA.
- Optimizing various IoT network parameters like delivery probability, latency, hop count and overhead ratio in an opportunistic scenario.
- Developed in ONE Simulator, Tools: Eclipse, Language: Java

EASM: Energy-Aware Sink Mobility Algorithm to Prolong Network Lifetime in WSN

UVCE, Bengaluru Aug. 2018 - Mar. 2019

MAIN CONTRIBUTIONS OF THE PROPOSED WORK

• The aim of this work is to collect data from all sensor nodes, aggregate and forward to cloud.

- Implemented through reconstructing the network and creating new routing paths in the network
- The sink node moves to a new safe location, neighboring nodes having more residual energy when sink current neighboring node's residual energy reaches threshold level
- To prolong the network lifetime
- Developed in Matlab

Lifetime Maximization of IoT Network by Optimizing Routing Energy

UVCE, Bengaluru

Jan. 2018 - Aug. 2018

MAIN CONTRIBUTIONS OF THE PROPOSED WORK

- To find the optimal cluster head (CH) for mobile nodes in IoT network.
- MAWCA considers degree difference of the node, sum of differences between neighbors, cumulative time, nodes mobility and delay in choosing a CH as weighting factor during CH election process.
- Developed in NS-2 Simulator, Language: C++

Publications

CONFERENCE

- Hemanth Kumar, Nagarjun E and S.M. Dilip Kumar, "EASM: Energy-Aware Sink Mobility Algorithm to Prolong Network Lifetime in WSN", I IEEE India Council International Conference (INDICON 2019), Dec 2019. (To be published in IEEE Xplore)
- Srinidhi NN, Nagarjun E and S.M. Dilip Kumar, "HMCRA: Hybrid Multi-Copy Routing Algorithm for Opportunistic IoT Network", 2019 International Conference on Smart Systems and Inventive Technology (ICSSIT), Tirunelveli, India, ISBN: 978-1-7281-2118-5, Nov 2019, pp. 370-375.
- Srinidhi N N, Sunitha G P, Nagarjun E, Shreyas J and Dilip Kumar S M, "Lifetime Maximization of IoT Network by Optimizing Routing Energy", IEEE international Women in Engineering (WIE) Conference on Electrical and Computer Engineering 2019 (IEEE WIECON-ECE), Nov 2019. (To be published in IEEE Xplore, ISBN: 978-1-7281-4499-3).

JOURNAL

- Srinidhi NN, Nagarjun E and S.M. Dilip Kumar, "Hybrid Algorithm for Selecting Efficient Node and Path for Opportunistic IoT Network", Journal in progress..
- Srinidhi NN, Nagarjun E and S.M. Dilip Kumar, "Establishing Self-Healing and Seamless Connectivity among IoT networks using Kalman Filter", Journal in progress.

Воокѕ

• Nagarjun E,"Nagarjun's Quotes: For Life", Sold by: Amazon Asia-Pacific Holdings Private Limited, Language: Kannada and English, ASIN: B07ZRKBYW2, Format: Kindle Edition and Paperback ISBN-10: 1703900170, ISBN-13: 978-1703900170, October 30, 2019 (Published).

Presentation

International Conference on Smart Systems and Inventive Technology (ICSSIT 2019)

Tirunelveli, India

PRESENTER FOR < HMCRA: HYBRID MULTI-COPY ROUTING ALGORITHM FOR OPPORTUNISTIC IOT NETWORK>

Nov. 2019

IEEE Conference

IEEE international Women in Engineering (WIE) Conference on Electrical and Computer Engineering 2019 (IEEE WIECON-ECE)

Sterlings Mac Hotel, Bengaluru

PRESENTER FOR < LIFETIME MAXIMIZATION OF IOT NETWORK BY OPTIMIZING ROUTING ENERGY>

Nov. 2019

• IEEE Conference

Workshops Attended _

- Participated in One-Week workshop on Block chain Technology 26 30 August, 2019.
- Participated in One-Week Faculty Development Programme on Artificial Intelligence and Machine Learning Feb-28 March 07,2019.
- Participated in One-Week Faculty Development Programme on Internet of Things and Big Data Analytics 24 30 July, 2019.
- Participated in the Personality Development Workshop conducted by Disha at UVCE.

Extracurricular Activity

- Received Rajyapuraskar Award in Scout and Guides.
- Worked as an Associate Director For a Kannada Movie(Birth).
- Designed Banners and Certificates for College Functions.
- Participated in Kagathon as a part of Kagada 2018 conducted by IEEE UVCE.
- Volunteered during the Second Talent Search Award Program at NIAS, IISC Bengaluru.
- Participated in Mad acts competition and bagged 2nd prize(Atria Institute of technology)
- Volunteered during Release of Special Postal Cover on the Occasion of Centennial Celebrations of UVCE.
- Volunteered during the One Day Workshop on Systematic Voters Education and Electoral Participation for Differently abled Youth, 09th April 2019
- Director for Kannada Web-Series called "Nagisuva Tonic" and also worked as Cinematographer and Editor for Two Short-Movies.