

# Sanjoy Kundu

118 N Husband St, Apartment no.#B,  
Stillwater, Oklahoma, 74075  
**Cell Phone:** +1-405-762-5196  
**Email:** sanjoy.kundu@okstate.edu  
sanjoykundu.ece@gmail.com

**Academia:** <https://kuet.academia.edu/SanjoyKundu>  
**Skype:** sanjoykundu.ece  
**Whatsapp:** +1-405-762-5196  
**Webpage:** <https://sanjoykundu.github.io/>

## RESEARCH INTERESTS

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Computer Vision, Natural Language Processing, Machine learning

## EDUCATION

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PhD in Computer Science (CS) *January, 2020-Present*  
*Oklahoma State University, Oklahoma, USA*

Master of Science in Computer Science and Engineering (CSE) *January, 2020*  
*Stamford University, Bangladesh*

Bachelor of Science in Electronics and Communication Engineering (ECE) *September 2013*  
*Khulna University of Engineering & Technology (KUET)*

## RESEARCH EXPERINECE

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*Under-Graduate Thesis:*

- ❖ Design of Metamaterial-based antenna and devices and analysis of their electromagnetic Properties  
**Scope:** Designing metamaterial structures with negative refractive index, metamaterial high gain antenna design and to reduce SAR with respect to conventional antennas

## PUBLICATIONS

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*Journal Papers:*

- ❖ [Under review in PRL] Knowledge Guided Learning: Towards Open Domain Egocentric Action Recognition with Zero Supervision. Sathyanarayanan N. Aakur, **Sanjoy Kundu**, Nikhil Gunti arXiv:2009.07470, 2020.

*Conference Papers:*

- ❖ Benchmark and Evaluation of Low Resource Object Detection in Biomedical Images, **Sanjoy Kundu\***, Nikhil Gunti\*, Bailey Hendrickson\*, Sunil More, Sathyanarayanan Aakur IEEE Workshop on Applied Imagery and Pattern Recognition, 2020
- ❖ Anik Mallik and **Sanjoy Kundu**, “Design of a Novel Dual-Band Microstrip Patch Antenna Operating at 2.45 GHz and 2.84 GHz with Practical Implementation,” in Proc. IEEE ICCIT, 2014.

- ❖ Anik Mallik, **Sanjoy Kundu**, and Md. Osman Goni, “Gain and SAR improvement of a conventional patch antenna using a novel Pi-shaped DNG metamaterial,” in Proc. IEEE EICT, 2014.
- ❖ Anik Mallik, **Sanjoy Kundu**, and Md. Osman Goni, “Design of a Novel Two-Rectangular U-Shaped Double Negative Metamaterial,” in Proc. IEEE ICIEV, 2013.
- ❖ Anik Mallik, **Sanjoy Kundu**, and Md. Ashikur Rahman, “An FPGA-Based Semi-Automated Traffic Control System Using Verilog HDL,” in Proc. ICECTE, 2012.

*Poster Presentation:*

- ❖ Anik Mallik, **Sanjoy Kundu**, and Md. Osman Goni, “Design and Analysis of Metamaterial Based Antenna and Devices,” Varsity Day Thesis Presentation, KUET, 2013.

## INDUSTRY EXPERIENCE

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**Engineer**, Technology, NOC: (Network Operation Center)

*27th November, 2016- 06<sup>th</sup> January*

**Fiber@Home Limited** (<http://www.fiberathome.net/>)

- ❖ Experienced with Optical fiber network
- ❖ Working experience with Cisco Switch, Router, Huawei switch, Router, OLT, Juniper Switch, Router etc.

**CMS Specialist**, Enroute Co. Ltd

*01 April – 31 July of 2015*

- ❖ Worked as a telecom **engineer** for a local telecom operator in Bangladesh

## AWARDS

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- ❖ Obtained government and non-government scholarships for good academic performances
- ❖ Divisional and Institutional awards for writing