Manoj Kumar Lenka

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Education

2025 – · · · **PhD, Nanyang Technological University** in Computing & Data Science
Supervisor: *Dr. Arvind Easwaran*

2022 – 2024 **MS, Indian Institute of Technology Madras** in Computer Science & Engineering
Thesis title: *IoTzing Wireless Sensing Applications*
Supervisor: *Dr. Ayon Chakraborty*
CGPA: *8.12/10*

2016 – 2020 **B.Tech, Kalinga Institute of Industrial Technology** in Computer Science & Eng.
Major project: *A Critical Analysis of Generative Adversarial Networks*
Minor project: *Simplyfy: A Compiler for a Simple Language*
Supervisor: *Dr. Santosh Kumar Pani*
CGPA: *9.38/10*

Employment

2022 – 2024 **Teaching Assistant,** Department of Computer Science and Engineering,
Indian Institute of Technology Madras, Chennai

2020 – 2021 **Software Developer**, OYO Hyderabad

Internships

May 2024 – Jul 2024 **Research Intern**, Artificial Intelligence Lab,
Fujitsu Research of India Private Limited, Bangalore

May 2019 – Jul 2019 **Summer Research Fellow** Dept. of Computer Science & Engineering,
Indian Institute of Technology Madras, Chennai

Dec 2018 – Jan 2019 **Research Intern** Dept. of Computer Science & Engineering,
National Institute of Technology, Rourkela

Research Publications

Conference Proceedings

1. M. Lenka and A. Chakraborty, "Ecovis: Towards energy and connectivity optimized visual surveillance," in *IEEE International Conference on Pervasive Computing and Communications (PerCom)*, 2025.
2. M. Lenka and A. Chakraborty, "On-device deep learning for iot-based wireless sensing applications," in *IEEE International Conference on Pervasive Computing and Communications Workshops and other Affiliated Events (PerCom Workshops)*, 2024. URL: https://ieeexplore.ieee.org/document/10502448.

Miscellaneous (Artifact, Pre-Prints, etc)

1. M. Lenka and A. Chakraborty, *Artifact: On-device deep learning for iot-based wireless sensing applications*, 2024. URL: https://ieeexplore.ieee.org/document/10502541.
2. M. Lenka, A. Pandey, and A. Mittal, *Blind deblurring using gans*, 2019. arXiv: 1907.11880. URL: https://arxiv.org/pdf/1907.11880.

3 S. Sahu, M. Lenka, and P. Sa, *Blind deblurring using deep learning: A survey*, 2019. arXiv: 1907.10128. URL: https://arxiv.org/pdf/1907.10128.

Technical Skills

Languages	Strong reading, writing and speaking competencies for English and Hindi.
Coding	Python, C/C++, Java, JavaScript, PHP, Ruby
Databases	PostgreSQL, MongoDB, Redis
Web Dev	HTML, CSS, React, Spring, Kubernetes, AWS
Machine Learning	Tensorflow, Tensorflow Lite/Micro, Keras, Scikit, Pandas, Numpy, Matplotlib
Hardware	TI mmWave Radars, ESP32, Arduino, RaspberryPi, Zedboard, Power Profiler Kit
Misc.	LaTeX , Git/GitHub

Awards and Certifications

2024 **Best Technical Presentation** award at the All Indian Research Scholar Summit

Star TA award by IIT Madras for performance as a Teaching Assistant

2022 **Graduate Aptitude Test in Engineering (GATE) for Computer Science (CS)**
Rank: 444 (out of 78K applicants); Score: 727

2021 Certificate of Achievement – **Cost Warrior** by OYO for saving OPEX cost by efficient software implementation and resource allocation.

2019 Awarded **The Indian Academy of Sciences - Summer Research Fellowship**