

# SHOBHIT

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## SUMMARY

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A hard-working and ambitious with a great passion for learning new technologies. I am currently a final year M.tech (CSE) student at IIT Bhubaneswar. Possess good leadership skills and ability to manage time effectively. A quick learner who can absorb new ideas and is experienced in coordinating, planning, and organizing a wide range of activities. Well organized, proactive, and able to work independently or as part of a team.

## EDUCATION

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**Indian Institute of Technology, Bhubaneswar** *Bhubaneswar, India*  
*Master of Technology, Computer Science and Engineering* *May 2021*

- Cumulative GPA: 8.62/10
- Research Volunteer under the guidance of [Dr. Laxmi N. Bhuyan](#), Distinguished Professor, University of California, Riverside on the topic Cache Coherence in GPU from November 2019 to December 2019.

**Moradabad Institute of Technology, Moradabad** *Moradabad, India*  
*Bachelor of Technology, Computer Science and Engineering* *June 2017*

- Percentage: 71.3%

## EXPERIENCE

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**STQC, MEITY, Government of India** *New Delhi, India*  
*Intern* *June 2016 – July 2016*

- Security testing on Government Recruitment Portal and Land Allocation website.
- Penetration testing on the Server and Systems.
- Report : [Summer Internship](#)

**Indian Institute of Technology, Bhubaneswar** *Bhubaneswar, India*  
*Teaching Assistant, Computer Science* *July 2019 – Present*

- Handled more than 100 students for assignment checking, grading and setting the assignments, through discussions with the faculties. Managing other Teaching Assistant for smooth run of class.

## PROJECTS

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**MODCGAN: A MultiModal Approach to Detect New Malware** *August 2020 – present*  
*IIT Bhubaneswar*

- Designed an architecture for addressing the problem using the concepts of deep learning frameworks and working towards implementing the same. Analysed the dataset according to the usage.
- Domain: Novel Malware Generation and Critical System Security
- Publication: **Shobhit, P. Bera, "ModCGAN: A MultiModal Approach to Detect New Malware", IEEE Cyber Science 2021, London UK(Accepted)**

**TRAFFIC SIGN DETECTION AND CLASSIFICATION USING YOLOv2** *March 2020 – September 2020*  
*IIT Bhubaneswar*

- Designed the processing required of data for using YOLOv2 model and processed the results to be understandable by human and judging the accuracy.
- Domain: Computer Vision and Autonomous Vehicle
- Report and Article : [Traffic Sign Detection and Classification](#) and [Object Detection](#)

## ADDITIONAL

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**Technical Skills:** Advanced C, C++, Java, Python, MySQL, HTML, CSS, Machine Learning.

**Languages:** English, Hindi.

**Certifications:** [Neural Networks and Deep Learning](#), [Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization](#), [Structuring Machine Learning Projects](#), [Convolutional Neural Networks](#).

**Awards:** CTFL from International Software Testing Qualification Board, Gold medal in Skating at district level.