

Vibha Bharilya

Department of Computer Science & Engineering
Indian Institute of Technology, Roorkee
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Curriculum Vitae

Education

- 2022–present **PhD, Computer Science & Engineering**, *Indian Institute of Technology, Roorkee.*
CGPA : 9.222/10 (Getting MHRD Fellowship)
- 2020–2022 : **M.Tech., Computer Science & Technology**, *Jawaharlal Nehru University, New Delhi.*
CGPA : 8/9 (Received MHRD Fellowship)
- 2017–2019 : **M.Sc., Mathematics and Scientific Computing**, *National Institute of Technology, Warangal.*
CGPA : 7.15/10
- 2013–2016 : **B.Sc., Mathematics, Statistics and Computer Science**, *Bundelkhand University, Jhansi.*
Percentage : 61.29 %
2013 : **Senior Secondary Examination, CBSE Board.**
Percentage : 80.4 %
2011 : **Secondary Examination, CBSE Board.**
CGPA : 8.8/10

Research Experience

[Indian Institute of Technology, Roorkee](#)

- 2022 – present ***Safe Autonomous Driving in real-world situations through Trajectory Prediction.***
Exploit the interaction among traffic participant for trajectory prediction in Autonomous Driving
Advisor : **Prof. Neetesh Kumar**, *Assistant Professor, CSE Department*, IIT Roorkee
[Jawaharlal Nehru University, New Delhi](#)
- 2021 – 2022 ***Deep Learning and IOT Enabled Model For Plant Disease Detection.***
Multiclass image classification for plant disease
Advisor : **Prof. Sushil Kumar**, *Assistant Professor, SC&SS Department*, JNU New Delhi
[National Institute of Technology, Warangal](#)
- 2018-2019 ***Publicly Verifiable Attributes Based Encryption for Data Security in Blockchain.***
Focuses mainly on bilinear pairing and designing a simple system model based on attribute based encryption
Advisor : **Prof. Pranitha J**, *Associate Professor, Department of Mathematics*, NIT Warangal

Professional Activities

- 2023 Technical reviewer in IEEE International Conference On Electrical, Electronics, Communication and Computers 2023

Awards and Achievements

- 2021 Qualified **NET**
- 2021 Qualified **GATE** (Score -482)
- 2020 Qualified **GATE** (Score -492)
- 2017 Qualified **IIT JAM** (All India Rank - 415)

Technical skills

- Programming Python(Keras, Pytorch), JAVA, MATLAB, C
Other MSOffice, Latex