



## Mahipal Mahipal

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### ABOUT ME

I am an ambitious and versatile individual with a vital Computer Science and Cybersecurity academic background. As a Java Programming Intern, I gained experience in developing efficient algorithms and implementing Multicast Wireless Routing Protocols. I have also contributed to a research project on enhancing haze removal in images. Proficient in web development, cyber and IT security, and with a passion for programming, I possess strong problem-solving skills and thrive in collaborative team environments. Additionally, I have certifications in Big Data, Google Cloud Infrastructure, and Digital Marketing. Outside of work, I enjoy trekking, gaming, traveling, and expanding my language skills in English and German.

### WORK EXPERIENCE

#### Java Programming Intern

**Ren Info** [ 01/06/2019 – 30/06/2019 ]

City: Chennai

Country: India

### EDUCATION AND TRAINING

#### M.Sc. Computer Science Focus On Cybersecurity

**SRH Berlin University Of Applied Science** [ 01/04/2022 – Current ]

Address: Ernst-Reuter-Platz 10, 10587 Berlin (Germany)

#### Graphic Designing

**Arena Animations** [ 22/05/2019 – 21/05/2021 ]

Address: Ground Floor & 3rd Floor, Raahat Plaza Vadapalani, 600026 Chennai (India)

#### B.Tech Computer Science and Engineering

**SRM Institute of Science and Technology** [ 01/06/2017 – 05/06/2021 ]

Address: Bharathi Salai Ramapuram, 600089 Chennai (India)

### DIGITAL SKILLS

Web: HTML, CSS / C / Microsoft Office / Team-work oriented / Cyber Security / IT Security / Kali Linux / Ethical Hacking / Penetration Testing

### PROJECTS

#### An Enhanced Haze Removal: Using DCP and Enriched-Invariant Features

[ 10/01/2021 – Current ]

This project is published in a Conference of [International Conference on Micro-Electronics and Telecommunication Engineering 2021](#) under [Micro-Electronics and Telecommunication Engineering](#) page No 257-267

1. Developed an algorithm for removing haze from images using a combination of Dark Channel Prior (DCP) and Enriched-Invariant Features.
2. Implemented the algorithm in MATLAB to remove haze from a variety of images.
3. Enhanced the performance of the algorithm by incorporating a modified DCP method and utilizing color and contrast information.
4. Evaluated the performance of the algorithm by comparing the results with other state-of-the-art methods and demonstrated significant improvement in haze removal.
5. Contributed to the development of a research paper presenting the algorithm and its results, which was published in a peer-reviewed journal.

Link: [https://link.springer.com/chapter/10.1007/978-981-16-8721-1\\_25](https://link.springer.com/chapter/10.1007/978-981-16-8721-1_25)

### **Multicast Wireless Routing Protocol In Java Programming**

[ 01/06/2019 – 30/06/2019 ]

1. **Proficient in Java programming and experienced in developing Multicast Wireless Routing Protocol.**
2. **Skilled in designing and implementing efficient algorithms for wireless networks.**
3. **In-depth knowledge of multicast communication, IP addressing, and routing protocols.**
4. **Familiar with network simulation tools like NS2, NS3, and OPNET.**
5. **Strong problem-solving skills and ability to work collaboratively in a team environment.**

## **CERTIFICATES**

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### **Introduction to Big Data**

[ 06/2020 ]

Link: <https://coursera.org/verify/8USCQHWR4D58>

### **Exploring and Preparing your Data with BigQuery**

[ 06/2020 ]

Link: <https://coursera.org/verify/DBHXQ7YGU2FH>

### **Google Cloud Fundamentals: Core Infrastructure**

[ 06/2020 ]

Link: <https://coursera.org/verify/K62FVPPDWA3L>

### **Fundamental of Digital Marketing**

Certificate ID:- QPX 6UH R5M

Link: <https://learn.digital.withgoogle.com/link/1qsdpcdm9s>

### **Full Stack Development**

[ 03/2021 – 06/2021 ]

Link: <https://www.guvi.in/certificate?id=2h136882z331l6T9Gs>

### **Learn Ethical Hacking From Scratch**

[ 07/06/2023 ]

Link: <https://www.udemy.com/certificate/UC-104a8e3b-1b9c-4dab-bedf-ba7ed29bbdbc/>

## **HOBBIES AND INTERESTS**

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Trekking

Gaming

Traveling

Programming

## **LANGUAGE SKILLS**

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Mother tongue(s): **Hindi**

Other language(s):

**English**

**LISTENING C1 READING C1 WRITING B1**

**SPOKEN PRODUCTION B2 SPOKEN INTERACTION C1**

**German**

**LISTENING A1 READING A1 WRITING A1**

**SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1**

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

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