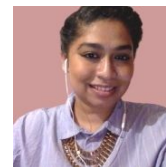


Silica Kole – Résumé

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🌐 <https://silicakole.info>

🌐 <https://www.linkedin.com/in/thesilipoint/>



Academic Working Experience

2012 – **Assistant Professor**, Computer Science Engineering Department, Bharati Vidyapeeth's College of Engineering, New Delhi, Affiliated to Guru Govind Singh Indraprastha University, New Delhi (under UGC, Govt. of India).

Education

2009 – 2011 **M.Tech, Rajasthan Technical University, Kota, Rajasthan (Under UGC, Govt. of India)** in Computer Science Engineering.
Thesis title: *Global Catastrophic Alert System - Based on Wireless Sensor Networks*.

2005 – 2009 **B.E., Maharshi Dayanand University, Rohtak, Haryana** in Computer Science University.
Thesis title: *Multimedia Image Mining - Based on Image Segmentation and Processing*.

Current Research Interests

Artificial Intelligence **Argumentation Theory, Knowledge Representation and Logic Programming.**
Machine Learning **Computer Vision and Neural Networks.**
Data Science **Data Mining and Data Visualization.**

Research Publications

Journal Articles

- Silica Kole**, Hassan, S., Arya, M., & Bhardwaj, U. (2018). Extraction and Classification of User Interface Components from an Image. *International Journal of Pure and Applied Mathematics*, 118(24), Special Issue. <https://acadpubl.eu/hub/2018-118-24/4/694.pdf>
- Silica Kole**, Goel, V., Singhal, S., & Jain, T. (2017). Specific Color Detection in images using RGB Modelling in MATLAB. *International Journal of Computer Applications*, 161(8), 38–42.
<https://www.ijcaonline.org/archives/volume161/number8/goel-2017-ijca-913254.pdf>
- Silica Kole**, Kumar, R., Guru, J., & Sharma, T. (2017). Rgb based image grouping using the method of color thresholding in matlab. *International Journal of Engineering and Future Technology*, 14(3), 78–82.
<https://www.ceser.in/ceserp/index.php/IJEFT/article/view/4874>
- Silica Kole**, Agarwal, C., Gupta, T., & Singh, S. (2015). SURF and RANSAC: A Conglomerative approach to Object Detection. *International Journal of Computer Applications*, 109(4), 07–09.
<https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.695.3525&rep=rep1&type=pdf>
- Silica Kole**, Kumar, A., Bhatia, P., & Goel, A. (2015). Implementation and Comparison of Decision Tree based Algorithms. *International Journal of Innovations Advancement in Computer Science*, 4(Special Issue), 190–196. <https://www.academicscience.co.in/admin/resources/project/paper/f201505161431763874.pdf>

- 6 **Silica Kole**, Kumar, A., Bhatia, P., & Goel, A. (2014). Implementing Dynamic Authority based Search using Binrank Algorithm. *International Journal of Innovative Research in Computer and Communication Engineering*, 2(11), 6967–6970.
http://www.ijircce.com/upload/2014/november/37F_Implementing.pdf
- 7 **Silica Kole**, Gupta, D. K., & Goel, P. (2013). Simulation of DDoS Attack real time Prevention Algorithm. *International Journal of Scientific Engineering Research*, 4(7), 1536–1538.
<https://www.ijser.org/onlineResearchPaperViewer.aspx?Simulation-of-DDoS-Attack-Real-Time-Prevention-Algorithm.pdf>
- 8 **Silica Kole**. (2012). Global Catastrophic Alert System. *International Journal of Scientific Engineering Research*, 3(6), 01–03.
<https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.302.6361&rep=rep1&type=pdf>

Skills

| | |
|-----------|--|
| Languages | Strong reading, writing and speaking competencies for English, Hindi and Bengali. |
| Coding | C, Python, React JS, LaTeX. |
| Databases | MySQL. |
| Web Dev | HTML, CSS, JavaScript, Apache Web Server. |
| Misc. | Academic Research, Teaching, Training, Consultation, LaTeX typesetting and Publishing. |

Miscellaneous Experience



Awards and Achievements

- 2018 **Best Project Award**, My students and I were awarded the Best Project Award for our Engineering Project entitled 'Extraction and Classification of User Interface Components from an Image'.
- Mentor in Smart India Hackathon**, My team 'Sakshat' participated in the Smart India Hackathon 2018, Software Edition at a center in Indore, MP, India.







Certification

- 2019 **Short Term Course on Digital Signal Processing using MATLAB (DSPM 2019)**. Certificate Awarded by Netaji Subhas Institute of Technology, New Delhi, India.
- 2018 **Quality Improvement Program on Machine Learning and its Applications**. Certificate Awarded by Indian Institute of Technology, Roorkee, UK, India.
- 2017 **Short Term Course on Information Security and Digital Forensics**. Certificate Awarded by Netaji Subhas Institute of Technology, New Delhi, India.
- International Workshop on Big Data Analytics (WBDA 2017)**. Certificate Awarded by Jawaharlal Nehru University, New Delhi, India.
- 2016 **Quality Improvement Program on Parallel Programming for HPC**. Certificate Awarded by Indian Institute of Technology, Delhi, India.
- Workshop on Image Processing using MATLAB**. Certificate Awarded by Jawaharlal Nehru University, New Delhi, India.

Miscellaneous Experience (continued)

- 2013  **Faculty Development Program on Advanced Communication Techniques.** Certificate Awarded by National Institute of Technology, Delhi, India.
- 2012  **Quality Improvement Program on Creativity and Innovation.** Certificate Awarded by Indian Institute of Technology, Delhi, India.

Personal Information

| | | |
|------------------|---|---|
| Nationality |  | Indian. |
| Current Location |  | New Delhi, India. |
| Gender |  | Female. |
| Age |  | 33 Years. |
| Marital Status |  | Unmarried. |
| Hobbies |  | Travel, Reading, Writing, YouTube, Podcasting and Drawing |

References

Available on Request