Silica Kole – Résumé

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in https://www.linkedin.com/in/thesilipoint/
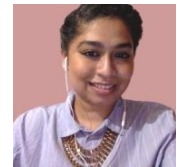
Academic Working Experience

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 (Under UGC, Govt. of India)** 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

1 **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

2 **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

3 **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

4 **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

5 **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.
   🔗 httpS://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