Silica Kole – Résumé (Applicant)

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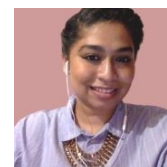
Academic Working Experience

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

Education

2009 – 2011   🔖 **Master of Technology (M.Tech.), Rajasthan Technical University, Kota, Rajasthan, India, under University Grants Commission, Govt. of India** in Computer Science and Engineering (CGPA 7.4).
Thesis Title: *Global Catastrophic Alert System - Based on Wireless Sensor Networks.*

2005 – 2009   🔖 **Bachelor of Engineering (B.E.), Maharshi Dayanand University, Rohtak, Haryana, India, under University Grants Commission, Govt. of India** in Computer Science and Engineering (CGPA 7.5).
Thesis Title: *Multimedia Image Mining - Based on Image Segmentation and Processing.*

Current Research Interests (in Order of Preference)

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 Papers

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 and 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 and real time Prevention Algorithm. *International Journal of Scientific and 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 and 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	■ Can fluently read, write and speak in English, Hindi (National Language of India) and Bengali (Mother Tongue).
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:** One Engineering Project entitled 'Extraction and Classification of User Interface Components from an Image' received Best Project Award from Guru Govind Singh Indraprastha University, New Delhi, India.

■ **Smart India Hackathon (Annual National Level Coding Competition organised by Govt. of India):** Our Team 'Sakshat' Mentored by me was selected as one of the Finalist Teams out of 2000 entries, in the Smart India Hackathon 2018, Software Edition at a Center at Indore, India

Certification

2019 ■ **Short Term Course of One Week on Digital Signal Processing using MATLAB (DSPM 2019):** Certificate awarded by Netaji Subhas Institute of Technology (A Prominent University under Govt. of Delhi), New Delhi, India.

2018 ■ **Quality Improvement Program of One Week on Machine Learning and its Applications:** Certificate awarded by Indian Institute of Technology (IIT), Roorkee, India.

2017 ■ **Short Term Course of One Week on Information Security and Digital Forensics:** Certificate awarded by Netaji Subhas Institute of Technology (A Prominent University under Govt. of Delhi), New Delhi, India.

■ **International Workshop on Big Data Analytics (WBDA 2017):** Certificate awarded by Jawaharlal Nehru University (JNU), New Delhi, India.

Miscellaneous Experience (continued)

2016   ▌ **Quality Improvement Program of Two Weeks on Parallel Programming for HPC:** Certificate awarded by Indian Institute of Technology (IIT), Delhi, India.

       ▌ **Workshop on Image Processing using MATLAB:** Certificate awarded by University School of Information and Communication Technology (USICT), New Delhi, India.

       ▌ **Short Term Course of One Week on Vulnerability Assessment of Networks and Web Applications:** Certificate awarded by National Institute of Technical Teachers Training and Research (Govt. of India), Chandigarh, India.

2013   ▌ **Faculty Development Program of One Week on Advanced Communication Techniques:** Certificate awarded by National Institute of Technology (Govt. of India), Delhi, India.

2012   ▌ **Quality Improvement Program of Two Weeks 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