RAJESH K. MAURYA

Author, Faculty, Researcher & Certified Trainer

@ rajesh.maurya@upgcm.ac.in, rk.maurya@gmail.com ☎ +919820782089 / 997714690
✉ Off: SVKM's UPGCM, University of Mumbai   📍 Mumbai, Maharashtra, India, 400098
in linkedin.com/in/rajesh-kumar-maurya-b4558461   🔗 www.rajeshmaurya.in

EXPERIENCE

Assistant Professor(IT) & Programme Officer-NSS
Department of Information Technology
SVKM's Usha Pravin Gandhi College

📅 June 2018 – Ongoing   📍 Vile Parle(W),Mumbai,India-400056

- Teaching **Cyber Forensics, Computer Graphics, Android Development, Mobile Computing, R and Python**
- Member of Research Cell, Industry-Academia Interface
- Member **Curriculum & Syllabus Revision at University** for B.Sc/M.Sc in Computer Science/Data Science

Assistant Professor & Researcher
University Department of Computer Science(UDCS)
University of Mumbai

📅 July 2016 – May 2018   📍 University of Mumbai,India-400098

- Teaching **Cyber Forensics and Information Security, Ubiquitous Computing** to Master's course in Computer Science.
- Guiding Research Projects & Coordinating Placements
- Developing **Course Curriculum and University Syllabus** for B.Sc/M.Sc
- **Researching** the field of Spatial Computing and Geo-visualization
- **Chairperson & Member** of University Examination Panel.

Associate Professor & Associate Dean
DES's Navinchandra Mehta Institute of Technology & Development (NMITD)

📅 July 2009 – June 2016   📍 Dadar, Mumbai, India-400028

- Teaching MCA students **Computer Graphics, Multimedia Computing, Network Security, GIS** and more.
- **Developing Course Curriculum and University Syllabus** for M.Sc/B.Sc
- Nurtured focused group for using FOSS for project development.
- **Consulting Educationists and IT Infrastructure Setup specialist**.
- Coordinating **Placement** Activities and **Internships**.
- **Chairperson & Member** of University Examination Panel.

Lecturer & Incharge-M.Sc. Computer Science & IT
S. K. Somaiya College, Somaiya Vidyavihar

📅 Aug 2002 – June 2009   📍 Vidyavihar, Mumbai, India-400077

- Teaching Computer Graphics, Multimedia Computing, Network Security, and GIS.
- **Developing Course Curriculum and University Syllabus** for M.Sc/B.Sc
- **Consulting Educationists and IT Infrastructure setup specialist**.
- **Member** of University Examination Panel.

Software Engineer
Dolphin Systems

📅 2000 – 2002   📍 Mumbai, India,400704

LIFE PHILOSOPHY

"Infinity is the Only limit ..."

OTHER ROLES

Consultant | Author | Researcher
Programmer | Motivational Speaker
Corporate Trainer | Content Developer

EDUCATION

M. Phil. Information Technology
M. Tech Computer Sc and Engg
M.B.A. Information Technology
M. Sc Computer Science | **B. Sc.** Physics
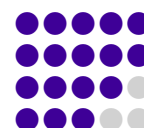MCA | DMIT | GNIIT

CERTIFICATIONS

CBSE-UGC-NET) (Comp Sc & Applications)
UGC-NET) (Management)
MH-SET) (Comp Sc & Applications)
Android, R & Python (Star Certification)
Android Development (Google)
Remote Sensing & GIS (IIRS and ISRO)
Database Management Systems (IIT & AICTE)
Information and System Security (ISTE)
Research Methodology (IIT Bombay & AICTE)
Security Specialization (IBM) | NLP
Deep Learning | Machine Learning
Augmented & Virtual Reality | Tableau
Artificial Intelligence | Data Science

STRENGTHS

Committed & Responsible | Persuasive
Motivator & Leader | Rational thinker

LANGUAGES

English
Hindi
Marathi
Gujarati

PUBLICATIONS

📕 Books

- *Computer Graphics with Virtual Reality Systems, 3nd Ed* (2018). Wiley.
- *Ethical Hacking* (2018). Staredu Solutions India.
- *Learn to Master C* (2018). Star EduSolutions India.
- *Programming through Python* (2018). Star EduSolutions India.
- *R Programming: A Language for Analytics and Data Science* (2018). Star EduSolutions India.
- *Graph Theory and Its Applications* (2016). Wiley.
- *Computer Graphics-GTU* (2015). Wiley.
- *System Programming-GTU* (2015). Wiley-Dreamtech.
- *Computer Graphics with Virtual Reality Systems, 2nd Ed* (2014). Wiley.
- *System Programming and Compiler Construction* (2014). Wiley-Dreamtech.
- *Software Testing* (2013). Wiley-Dreamtech.
- *Compiler Design* (2012). Wiley-Dreamtech.
- *System Programming* (2011). Wiley-Dreamtech.
- *Computer Graphics* (2010). Wiley.
- *Computer Graphics with Virtual Reality Systems* (2009). Wiley.
- *Data Warehousing and Mining* (2008). MU Press.

📄 International Journal Articles

- Maurya, Rajesh K. (2018). "Review of Advances in Digital Recognition of Indic Scripts". In: *International Journal of Scientific Research in Computer Science, Engineering and Information Technology,* III (I), pp. 991–1009.
- Maurya, Rajesh K. and Swati R. Maurya (2018b). "Recognition of a Medieval Indic-'Modi' Script using Empirically Determined Heuristics in Hybrid Feature Space". In: *International Journal of Computer Sciences and Engineering,* VI (II), pp. 253–267.
- Maurya, Rajesh K. and Sushil T. Kulkarni (2017). "A Review of Spatial Analysis of Multidimensional Topographic Data". In: *International Journal of Computer Engineering and Applications* XI (XII), pp. 253–267.

👥 International Conference Proceedings

- Maurya, Rajesh K. and Sushil T. Kulkarni (2018). "Morphology-Based Extraction of River Network from Multidimensional Topographic LiDAR Returns". In: *IEEE's 3rd International Conference on Convergence of Technology, (IEEE Conference ID: 43278,7-8 April, 2018)*. Pune, India, pp. 1–6. DOI: 10.1109/I2CT.2018.8529349.
- R. K. Maurya, S. T. Kulkarni and N. Kalita (2018). "Projection-Based Spatial Morphology for Extracting Ridge and Valley Profiles of Mountains from 3D Amorphous Data". In: *2018 4th International Conference on Computing Communication and Automation (ICCCA), 14-15 December, 2018)*. Greater Noida, India. DOI: 10.1109/CCAA.2018.8777680.
- Rajesh K. Maurya, Sushil T. Kulkarni (2017). "Multidimensional Spatial Clustering and Visualization of 3D Topographic Relief Data". In: *Proceedings 2017 4th International Conference on "Computing for Sustainable Global Development, (IEEE Conference ID: 40353), 3–4 March 2017*. New Delhi, India, pp. 6419–6425.

RESEARCH INTERESTS

Spatial Computing & GIS Aspects

Graphics, DIP and Visualization

Virtual and Augmented Reality

Data Analytics   Machine Intelligence

RESEARCH & PROJECTS

Character Recognition of a Medieval Indian Script

Rajesh K. Maurya & Ambuja Salgaonkar

📅 Aug 2009 – June 2016

@UDCS, University of Mumbai. Developed OCR for recognizing & transliterating medieval Indian cursive script *'Modi'* to modern Devanagari script

Spatial Analysis of Multidimensinal and Topographic Data

Rajesh K. Maurya & Sushil T. Kulkarni

📅 July 2016 – Till Date 📍 Doctoral Work

@UDCS, University of Mumbai. Exploring methods of spatial analysis and visualization of high dimensional data involving topographic aspects

INVITED EXPERT @

S.N.D.T Women's University

Master of Computer Application
Master of Science (Computer Science)

📅 2009 – till date

System Software   Mobile Computing

GIS & RS   Computer Graphics   DIP

Somaiya Vidyavihar

Master of Science (Computer Science)

📅 2009 – till date

Cyber forensics & Information Security

Ubiquitous Computing   Compiler

UDCS, University of Mumbai

Master of Science (Computer Science)

📅 2003 – till date

Compiler   Ubiquitous Computing
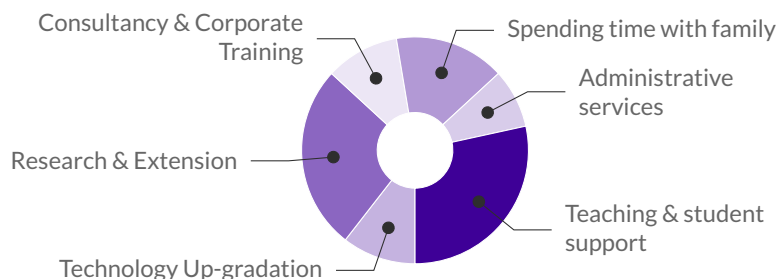
Cyber forensics & Information Security

ACADEMIC & INDUSTRY CONTRIBUTIONS

- **Member** of **Revision of Syllabus** from 2004-2017 in **Computer Science and IT, Data Science from 2019 @ University of Mumbai**
- **Advisor** @ **Star Certifications(USA)**, 450 North Brand Blvd, Suite 600, Glendale CA 91203
- **Advisor** @ **Sybgen Learning**, Sybgen Inc. USA
- **Author** @ John Wiley, Dreamtech Press, Oxford University Press, StarEdu Solutions India Pvt Ltd.
- **Resource Person** @ workshops and seminar at Universities since 2003
- **Trainer** for Student Development Programs(SDP) at various universities including Reva University(Bangaluru), Sathyabama University (Chennai) etc.
- **Reviewer** for Books and Papers at Publishing houses and Journals

ONGOING PROJECTS

- **Higher dimensional Spatial Visualization and Modeling of Mumbai Suburbs:** a projects for smart city information Modeling System
- **Smart Augmented system for Virtual Learning:**, a design framework for modern ICT tool
- **Mathematical Elements for Digital Forensics and Information Security** (in press)
- **Augmented Reality and Virtual World**, Global certification (in press)

A WORKING DAY OF MY LIFE

Consultancy & Corporate Training
Spending time with family
Administrative services
Research & Extension
Teaching & student support
Technology Up-gradation

REFEREES

Dr. Varadraj Bapat,
Professor, SJM School of Management (SJMSOM), IIT Bombay
@ varadraj@som.iitb.ac.in
✉ SJM School of Management, IIT Bombay, Mumbai, India, 400076

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Dr. K. V. Kulkarni,
Director, DFSL, Mumbai, Govt of Maharshtra
@ krishnakulkarni96@yahoo.com
✉ Directorate of Forensic Science Laboratories, Govt of Maharashtra, Santacruz(E), Kalina, Mumbai, India, 400098

MEMBERSHIPS

Indian Science Congress (ISC)

Institute of Electrical & Electronics Engineers

Association of Computing Machinery (ACM)

Computer Society of India (CSI)

Indian Society for Technical Education (ISTE)

International Association of Engineers (IAENG)

MORE ABOUT ME

Achievers Delight
Strive hard for best success!

Persistence & Loyalty
Towards my work, my colleague and responsibilities

Progress Oriented
Take task to the finishing line and assure goal convergence

Working in Team
Efficient in working in groups for collaborative work

EXTRA CURRICULAR

Literature: Reading & Writing

Films: Cartoon and Animation Films

Editorial: Content Development

Social & Environmental: Gardening

ADDRESSES

Residence
A-203, Mahavir Trinkets, A &B Wing Cooperative Society Ltd, Besides Huma Mall, Off-LBS Marg, Opp-Kanjurmarg Railway Station, Kanjurmarg (W), Mumbai,400078

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Department of Information Technology, SVKM's UPG College of Management, Bhakti Vedanta Swami Marg, Juhu Scheme, Vile Parle (West), Mumbai 400 056. Maharashtra India
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