

Curriculum Vitae



Indra Pratap Singh

SCHOOL OF TELEMEDICINE & BIOMEDICAL
INFORMATICS, SGPIMS, RAIBARELI ROAD, LUCKNOW
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PERSONAL INFORMATION

Father's Name	Mr. Rajendra Pratap Singh
Languages Known	English & Hindi

QUALIFICATION

- ✓ **MCA (Master's Degree in Computer Application)** from IGNOU (Pursuing)
- ✓ **M.Sc. (Master's Degree in Bioinformatics)** From Allahabad Agricultural Institute-Deemed University, Allahabad (2005)
- ✓ **DIT (Diploma in Information Technology)** from UPDESCO (2003)
- ✓ **CIC (Certificate in Computing)** from IGNOU

EXPERIENCE

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- ✓ Technical Assistant Grade-A & Training Coordinator, **School of Telemedicine & Biomedical Informatics** (A National Resource Center for Telemedicine & Biomedical Informatics), SGPGIMS, Lucknow, INDIA (May 2006 to till date)

PROFILE

Working Experience with Telemedicine & Biomedical Informatics

- Work responsibility to design, operate and support telemedicine technical network of SGPGI with more than 18 nodes involving India, USA, Pakistan, France & Germany.
 - Proficient in handling video conference equipment & display devices from multiple vendors.
 - Proficient on handling biomedical equipment related to Telemedicine
 - Proficient in operating video conferencing utilising multiple communication protocol.
 - Technical Knowledge of video conferencing products, display devices used in telemedicine besides strong IT knowledge in handling servers and clients
 - Able to work on own initiative and as part of a team.
 - Proven leadership skills involving managing, developing and motivating teams to achieve their objectives.
 - First-class analytical, design and problem solving skills.
 - Ability to grasp the IT consulting needs for healthcare industry, data security and challenges.
 - Organization of Telemedicine Training programme for various States Govt. And International Govt. as a capacity of Telemedicine Training Coordinator.
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- Dedicated to maintaining high quality standards in the field of Information Technology & exposure to all major telemedicine Softwares
- Exposure to various communication medias like ISDN, GailTel, MPLS VPN Network , VSAT (Flex web & Flex Lan), Flexi-Dama
- Actively Involved in Telemedicine activities at SGPGIMS Centre
- Exposure to IP-VPN Network & Building Management System (BMS)
- Received & transmitted Tele-Conferences/ CMEs/ Workshops organised by various Departments
 - 4th Endocrine Telesurgery Conference
 - 1st Diabetics Foot Care Workshop
 - 2nd Postgraduate Clinic 'Clinical Problem Solving' in Immunology
 - 3rd Annual Conference of Indian Thyroid Society and International symposium on recent advances in management of thyroid disorders
 - XIV Surgical Gastroenterology Week
 - 2nd SGPGI Breast Course – November 2006
 - Mid-Term conference of Indian Society of Gastroenterology - September 07
 - 8th Postgraduates course & 8th Annual conference of Indian Association of Endocrine Surgeon-Nov. 07
 - 39th Annual Conference of Society of Nuclear Medicine, India & CME International Symposium of Molecular Imaging –Dec. 07
 - Cytometry Meet 2007 –Dec. 07

CURRENT
ACTIVITIES

- Maintenance of Hardware Equipments including Video Conferencing Camera, Communication Medias of various make.
- Maintenance of Stock Register
- Garuda Network, Raibareily Network, Tele-radiotherapy Network, Orissa Telemedicine Network, ISRO Telemedicine Network
- Co-ordination with doctors at SGPGIMS and distant centres
- Content preparation, technical assistance, sending and receiving of data and images for Telemedicine Sessions
- Providing connectivity between SGPGIMS and other institutions.
- Technical assistance to Tele-CGR, Tele-CME programmes Tele-Consultation, Tele-Education, Tele-Follow-up Sessions organised by School of Telemedicine and Bio-medical informatics.
- Digital Video Recording & editing of Operating Cases & Patients.
- Site Designing & Management of School of Telemedicine and Biomedical Informatics
- Preparation of abstracts, articles and power point presentation for national and international telemedicine conferences
- Organizing various Telemedicine Training / Workshop Programme for National & International agencies.

CONFERENCE
ATTENDED

- 4rd National Conference of Telemedicine Society of India
www.telemedicon2008.com
- 3rd National Conference of Telemedicine Society of India &
- 12th International conference of International society for Telemedicine & e-health , 2-3 Nov 2007, Chennai
<http://www.tsi.org.in/conference/default.asp>

WORKSHOP
ATTENDED

- Pre Conference Workshop on Telemedicine & It's applications 14th November 08 at Center for Development of Advanced Computing (CDAC) Mohali and PGIMER Chandigarh, India
- United Nations / India / ESA Regional Workshop on Using Space Technology for Tele-Health / Tele-Epidemiology to Benefit Asia and the Pacific Region October 20- 23 2008 at the School of Telemedicine & Biomedical Informatics, SGPGIMS, Lucknow, India
- Training program on Biomedical Information Retrieval for Beginners at National Informatics Centre, MCIT, Govt. of India, New Delhi form 17th – 19th Sept. 2008.
- Pre Conference Workshop on Telemedicine 1st November 07 at IIT Madras, India
- workshop on “Web Designing ,hosting and management“ at The Bioinformatica Solutions, Lucknow
www.thebioinformatica.com
- Workshop on “in silico Drug Design” at The Bioinformatica Solutions, Lucknow.
www.thebioinformatica.com

SCIENTIFIC
PAPER
PRESENTED

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- *An Audit of Telemedicine Project Outcome at District Hospital Raibareli:*
Indra Pratap Singh, Lily Kapoor, Dharendra Tripathi, Altaf Husain , S K Mishra. *Proceedig:* 4th National Conference of Telemedicine Society of India, 14th –16th November 2008, Chandigarh, India
 - Comparative technical evaluation of Telemedical video-conference using various Communication media: ***Indra Pratap Singh***, Repu Daman Chand, Sandeep Singh, S K Mishra; 3rd National Conference of Telemedicine Society of India & 12th *ISfTeH International Conference*, 2nd –3rd November 2007, Chennai

BOOK
CHAPTER

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- Telemedicine in Developing World: Experience at SGPGIMS, Lucknow - a tertiary care academic medical center: *Lily Kapoor, Repu Daman Chand, **Indra Pratap Singh**, S K Mishra; Telemedicine- Concepts & Applications*, ICFAI University Press, Hyderabad, ISBN No.978-81-314-2089-8, P. 151-160.
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PUBLICATIONS

- Development and Maintenance of e - Seminar Web Portal on “National Knowledge base on Telemedicine & e Health” – An audit of one year activity: Vijay Pal Singh, Lily Kapoor, Repu Daman Chand, **Indra Pratap Singh**, S K Mishra, *Proceeding*: 4th National Conference of Telemedicine Society of India, 14th –16th November 2008, Chandigarh, India
 - SGPGI Protocol on the Management of Telemedicine Sessions: Swarnaprabha Misra, Rashmi Jain, Lily Kapoor, **Indra Pratap Singh**, Saroj Kanta Mishra, *Proceeding*: 4th National Conference of Telemedicine Society of India, 14th –16th November 2008, Chandigarh, India
 - Lesson learnt from the telemedicine pilot project implementation in the state of Uttarakhand: Lily Kapoor, **Indra Pratap Singh**, Repu Daman Chand, Sandeep Singh, S K Mishra, *Proceeding*: 4th National Conference of Telemedicine Society of India, 14th –16th November 2008, Chandigarh, India
 - National & International Initiatives of SGPGI Telemedicine Programme: Saroj Kanta Mishra, Lily Kapoor, **Indra Pratap Singh**, Repu Daman Chand, *Proceeding*: 4th National Conference of Telemedicine Society of India, 14th –16th November 2008, Chandigarh, India
 - *Design of IP Based Intra-operative Tele-consultation Module*: Repu Daman Chand, **Indra Pratap Singh**, Sandeep Singh, Vijay Pal Singh, Lily Kapoor, S K Mishra, *Proceeding*: 4th National Conference of Telemedicine Society of India, 14th –16th November 2008, Chandigarh, India
 - mHealth: A Developing Country Perspective: Saroj Mishra, **Indra Pratap Singh**, Making the eHealth Connection, Bellagio, Italy, July 13 - August 8, 2008. http://ehealth-connection.org/files/conf-materials/mHealth_%20A%20Developing%20Country%20Perspective_0.pdf
 - Comparative Study of Connectivity in Telemedicine, **Singh Indra Pratap**, Kapoor Lily, Chand Repu Daman, Mishra SK. Journal of Telemedicine & eHealth, 2008.
 - E-Learning Technology in Healthcare – Indian Case Study, Kapoor Lily, Chand Repu Daman, **Singh Indra Pratap**, Mishra SK. *Proceeding*: 10th IEEE International Conference on e-Health Networking, Applications & Services, Healthcom2008, ISBN: 978-1-4244-2281-4 © 2008 IEEE, 7th-9th July 2008 Biopolis, Singapore
 - Capacity Building in e-Health in a Developing Country - Indian Initiatives, Mahaparta AK, Kapoor Lily, **Singh Indra Pratap**, Chand Repu Daman, Mishra SK. Journal of eHealth Technology and Application. 2008 July; Volum6 (1):61-62
 - Fiber Optic Based Telemedicine Network – A Study of Technical and Clinical Outcome: Lily Kapoor, **Indra Pratap Singh**, Dharendra Tripathi, Repu Daman Chand, Altaf Hussain, S K Mishra; 3rd National Conference of Telemedicine Society of India & 12th ISfTeH International Conference, 2nd –3rd November 2007, Chennai
 - Comparative technical evaluation of various communication media used for telemedical video-conference : **Indra Pratap Singh**, Repu Daman Chand, S K Mishra; 10th IEEE International Conference on e-Health Networking, Applications & Services (IEEE Healthcom 2008), 7th – 9th July 08, Singapore
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TELEMEDICINE
NETWORK
UNDERTAKEN

1. Development of telemedicine technology and its implementation (SGPGIMS – AIIMS – PGIMER Link)
 2. Uttaranchal Telemedicine Network
 3. Orissa Telemedicine Network (Medical Colleges)
 4. National Informatics Center (NIC) Network for North-Eastern States
 5. SGPGIMS – AIMS, Cochin Link
 6. SGPGIMS-Raibareili District Hospital Telemedicine Network
 7. National Informatics Centre (NIC) for Orissa (District Hospitals)
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WORKED WITH
TELEMEDICINE
SOFTWARES

- SB 2000 -Tele-Radiotherapy Software (Developed by Online Research Institute, Ahmadabad)
 - Tele-Med 500 (Developed by Online Research Institute, Ahmadabad)
 - Tele-Ware (Developed by Tele-Vital)
 - Mercury Software (Developed by Center for Development Advanced Computing, Pune)
 - Sanjeevani & e-sanjeevani Software (Developed by Center for Development Advanced Computing, Mohali)
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IT SKILLS

OS

DOS, Windows, Windows XP, Windows 2000 Server, Linux

Web Page Designing

Macromedia Dreamweaver, Macromedia Flash, Microsoft Frontpage, Adobe Photoshop, VB Script, HTML, Java Script, FTP, IIS Server

Graphics and Animation Designing

Macromedia Flash, Adobe Photoshop, Adobe Image Ready, Corel Draw 11,

Database Softwares

ORACLE 8i, SQL / PL SQL, MS Access

Programing Languages

JAVA, C++, Microsoft Visual Basic 6.0, VB. Net, VB Script, Flash Action Scripts, Java Script, PL/SQL

Networking

Windows-98/NT, windows-2000, Proxy Server Installation, Unix, Linux

Computer Hardware

Assembling & De-assembling, Most of the thing about Hardware...Trouble Shooting etc

BIOINFORMATICS

SKILLS

Molecular Visualization Software: Rasmol, Rastop, Cn3d, Swiss PDB viewer

Alignment Tools: BLAST, Clustal Package, Multialign, Tree view

Docking Software: Hex, GRAMM

Molecular Modeling Software: HyperChem (Student version), DTMM, Chems sketch

Editing Tool: CINEMA, Bio-Edit

Sequencing Tool: Finch TV

Bioinformatics Server: Clustalpro, WhatIF server, GENO3D, EMBOSS, Pridict Protein, JPred, GOR

REFERENCES

References are available upon request

Date:

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