

# Dr. Suman Bhusan Bhattacharyya

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## Work Accomplishments

- An astute medical professional with **more than 33 years'** experience in Healthcare Informatics, Hospital Management and as a Consultant Family Physician.
- Currently consulting an overseas client on enabling SNOMED CT in the EHR portion of their healthcare information system.
- Authored "Introduction to SNOMED CT" (ISBN 978-981-287-895-3), published internationally by Springer™ in January 2016 & "A DIY Guide to Telemedicine for Clinicians" (ISBN 978-981-10-5304-7), published internationally by Springer™ in October 2017.
- Expert on EHR Standards, especially SNOMED CT, data analytics, Telemedicine and Health Data Science.
- Member, EHR Standards Committee, Ministry of Health and Family Welfare, Government of India (since 2010) – responsible for drafting the approved EHR Standards as one of the key members of the core committee
- Member, Health Informatics Sectional Committee, MHD 17, Bureau of Indian Standards (since 2007).
- Member, IMA Standing Committee on Information Technology, IMA Headquarters, Delhi (since 2016)
- Member, National Taskforce for Telemedicine, a joint initiative of Ministry of Health & Family Welfare and Department of IT, Government of India (since 2006)
- Member, Project Review Steering Group (multiple), MeitY, Government of India.
- Member, Working Group for R&D in Information Technology, Department of Electronics and IT, Ministry of Communications and IT, Government of India.
- Member, iHIND Group, National Knowledge Commission, Government of India.
- Member, Indian Health Information Network (IHIN), FICCI.
- Member, Various healthcare IT related project review committees, Indian Council for Medical Research.
- Honorary State Secretary (2015), IMA Haryana.
- Vice-Chairman Election Commission (2017 – 2019), IMA Haryana State
- Secretary (2010 – 2013), Indian Medical Association, Faridabad Chapter.
- Vice-President, Telemedicine Society of India Delhi-NCR Chapter.
- External consultant for e-Governance in Healthcare projects to NISG.
- Practicing General Medical Practitioner.

## Domain Expertise

Healthcare Informatics, Health Data Science (Clinical Data Analytics), regulatory requirements like HIPAA, EHR Meaningful Use, 21 CFR 11, FDA regulations for Medical Devices, Functional (Healthcare) Architecture, Digital Health, Electronic Health Records (in all aspects), Clinical Decision Support, Evidence Based Medicine, Healthcare Semantic Content, Knowledge Discovery in Clinical Databases, Application of Machine Learning In Automating Care Delivery Processes, Personalized Medicine, Wellness Management, Medical & Healthcare systems, Medicine Practice, Hospital Management.

Personally designed EMR & EHR systems, Expected Date of Delivery & Gestational Age Calculator, Immunisation Scheduler, Health Measures Interpreter, free-text to ICD10 automated online coder iKodeX, and Smānotā process innovation.

## Academic Qualifications

- Fellow of College of General Practitioners, Indian Medical Association, HQ Chennai, 2015 (Honorary).
- MBA (International Management), *Summa Cum Laude*, from European University, Antwerp (Belgium) in 1997 – capstone thesis on Telemedicine for which awarded 100%.
- Advanced Diploma in Hospital Administration from Institute of Health Care Administration, Chennai, India in 1996.
- MBBS from Calcutta University, Kolkata, India in 1986 – ex-alumni Medical College, Bengal.

## Technical Proficiency

- Expert knowledge of SNOMED CT
- Administration of PCs and LAN systems
- Software development in FoxPro, Dbase III+, C, XAMPP (PHP & MySQL stack)
- MS Office Suite (Word, PowerPoint, Excel and Access) and OpenOffice
- Programming in web-based technologies like HTML 5, CSS, jQuery, ASP, Java 2, JavaScript, VBScript, Perl, PHP, XML
- Knowledge of SQL (through PL/SQL), C, C++, Visual Basic, Oracle, MS SQL Server, MySQL, Novell NetWare networking, UNIX
- Working knowledge of R, Rattle (for data mining), Octave (FOSS alternative to Matlab), Python, GNUPlot

- Knowledge of Rational Unified Process (RUP), UML modeling (business modeling and drawing diagrams for use case, sequence, activity, object models), using Enterprise Architect™.
- Abilities in writing functional design documents (user requirements documents and software requirements specifications) as per the Rational Unified Process (RUP).
- System testing like UI testing, end-to-end testing, smoke testing, monkey testing, and defect tracking using BugZilla.
- Exposure to:
  - Rational Rose, RequisitePro™ and Poseidon for UML.
  - Automated testing tools like Rational TestManager, Rational Performance, and Rational Robot.
  - Protégé – OWL designing interface.
  - Kermanog terminology server.

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### **Professional Affiliations**

- Life Member, Indian Medical Association
- Life Member, Telemedicine Society of India

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### **Personal Vitae**

Date of Birth : 22<sup>nd</sup> August 1962  
Mailing Address : House No. 776, Sector 15, Faridabad-121007 (Haryana)  
Languages Known : English, Bengali, Hindi

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### **References**

References : Available upon request