



# Sushil Iyer, Ph.D.

## Principal

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## Overview

### About Sushil

Sushil Iyer (formerly Sushil Shrinivasan), Ph.D., is a principal in the Dallas office of Fish & Richardson P.C. He began his patent law career in 2006 as a technology specialist in the firm's Southern California office. Between 2008 and 2012, he was a student-associate and patent agent in the firm's Washington, D.C., office. Since 2012, he has been with the firm's Dallas office, first as an associate and currently as a principal.

Dr. Iyer's practice emphasizes strategic counseling in U.S. and international patent portfolio development and management for clients ranging from emerging companies to Fortune 100 corporations. In this role, he has directly drafted and prosecuted, as well as supervised the drafting and prosecution of, several hundred patent applications. He has also conducted and led numerous freedom to operate analyses, landscape searches, due diligence studies, and patent opinion preparation to assist clients in bringing products to market. His practice also encompasses drafting, reviewing and negotiating all types of agreements and advising clients on agreement-related issues. Examples of agreements on which he has worked include licenses for all types of intellectual property, software as a service agreements, privacy policies, terms and conditions for use of software, master sales agreements, and non-disclosure agreements, to name a few.

Dr. Iyer's technical focus is on the mechanical, chemical engineering, computer-related and applied sciences arts. He has extensive experience in the following technologies: oil and gas drilling, completion, production, and processing; petrochemicals; medical devices; energy generation and conversion systems; computational fluid dynamics; self-driving vehicles; consumer electronics and accessories; and software. In the software arts, his technical focus has been in the areas of user interfaces and human-computer interaction, business intelligence, data analytics, operating systems,

databases, e-commerce, client-side and server-side interactions, electronic document processing, and image/audio/video processing and management.

In addition, Dr. Iyer is a certified information privacy professional (CIPP/US) and a member of the International Association of Privacy Professionals. In this capacity, Dr. Iyer advises clients on the full range of privacy and data security laws and best practices. Dr. Iyer's technological background and experience enables him to address clients' complex and emerging data privacy issues and the information technology systems needed to address them.

Dr. Iyer is also a member of the firm's internal training group for patent prosecution and for licensing and intellectual property agreement preparation.

Between 2016 and 2019, Dr. Iyer was a co-instructor of three courses offered by Patent Resources Group – the patent bar review course, the claims drafting workshop and the patent administration course. As a co-instructor of the patent bar review course, he taught several topics on patent law and patent practice to aspiring patent practitioners and in-house legal team members to assist them in passing the patent registration exam administered by the U.S. Patent and Trademark Office (USPTO). For the claims drafting workshop, he worked with junior or mid-level patent agents and associates to train them in all aspects of patent application preparation and prosecution, as well as client management. As a co-instructor of the patent administration course, he taught patent paralegals and patent administrators of law firms and in-house IP legal teams about the USPTO's rules of patent practice and administration.

Before joining the firm, he was a graduate research scientist at the University of Virginia, where he obtained a doctorate in mechanical and aerospace engineering. Before that, he obtained a master's in mechanical engineering from the University of Maryland—Baltimore County. Through his studies, he obtained hands-on experience in technologies related to fluid mechanics, heat and mass transfer, microfluidic devices, nanotechnology, software, optics, biochemistry, electrical circuits, and imaging technologies.

## Focus Areas

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### Services

- IP Licensing, Transactions, and Agreements
- Patent
- Privacy and Data Security
- Opinions and Strategic Counseling

## Industries

- Electrical and Computer Technology
- Energy and Petrochemical
- Internet
- Manufacturing
- Medical Devices
- Software
- Telecommunications

## Education

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J.D., George Washington University Law School (2012)

Ph.D., Mechanical and Aerospace Engineering, University of Virginia (2006)

M.S., Mechanical Engineering, University of Maryland, Baltimore County (2001)

B.E., Mechanical Engineering, University of Madras (1998)

## Experience

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IBM Cognitive Class Digital Badge for completing Data Science Orientation

## Insights

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### Publications

Dr. Iyer is a contributing author to Fish's IP Law Essentials.

- "Antitrust Issues with "No-Poaching" Agreements," *Fish IP Law Essentials Blog* (October 2020)
- "Overview of Approaches to Compulsory Licensing," *Fish IP Law Essentials Blog* (May 2020)
- "Effects of *Williamson v. Citrix*: Inconsistent Interpretation of Nonce Terms" (March 1, 2019)

- “A low-cost, low-power consumption miniature laser induced fluorescence system for DNA detection on a microfluidic device,” *Journal of the Association for Laboratory Automation* 11 (4) (2006)
- “Aerogels: Unique material, fascinating properties and unlimited applications,” *Annual Review of Heat Transfer*, 14, pp. 385-408 (2005)
- “Toward optimization of macroporous silica gels for application to capillary or microchip-based CEC and LC,” *Journal of Non-Crystalline Solids*, 350 (15), 391-396 (2004)
- “Viscosity of animal erythrocyte suspensions mixed with a perfluorocarbon emulsion,” *Artificial Cells, Blood Substitutes, and Biotechnology*, 32(3), 387-400 (2004)
- “Towards a microchip based chromatographic platform. Part 2: Sol-gel phases modified with polyelectrolyte multilayers for capillary electrochromatography,” *Electrophoresis*, 24(7-8), 1261-1270 (2003)
- “Using computational fluid dynamics software to estimate circulation time distributions in bioreactors,” *Biotechnology Progress*, 19(5), 1480-1486 (2003)
- “Towards a microchip based chromatographic platform. Part 1: Evaluation of sol-gel phases for capillary electrochromatography,” *Electrophoresis*, 23(20), 3487-3495 (2002)

## Speaking Engagements

- “Patent Prosecution: PCT and *Ex Parte* Appeals,” *International Intellectual Property Law Association (IIPLA) 2021 USA* (November 4, 2021)
- “The Basics of Patents,” *Fish Patent Webinar* (March 25, 2021)
- “Licensing 101,” *Fish Cross-Practice Webinar* (December 2020)
- “Prosecution before the USPTO” *India’s Global Institute of Intellectual Property* (October to December 2020)
- “Practical Tips to Advance Patent Prosecution Before The USPTO,” *DBA Intellectual Property Section* (October 2020)
- “Effects of *Williamson*: Inconsistent Interpretation of Nonce Terms” *State Bar of Texas’ 32nd Annual Course Advanced Intellectual Property Law* (March 2019)
- “We Got a Patent, Now What?” *Microfluidics Congress: USA* (July 2017)
- “Negotiating, Preserving & Managing Your IP Rights In Your Vendor & Partner Agreements Texas,” *General Counsel Forum* (June 2017)
- Co-Lecturer at *Patent Resources Group’s Patent Bar Review Course* (March 2017)

## Recognition

Named a “Leading Patent Professional” by *IAM Patent 1000* (2020-2021).

## Memberships & Affiliations

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International Association of Privacy Professionals – CIPP/US

## Languages

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- English
- Hindi
- Tamil