

# Curriculum Vitae

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M. Sc., Physics, Bombay University, India, 1981  
B. Sc., Physics, Bombay University, India, 1979  
Present employment: April 2000 - present: Washington University in St. Louis  
I am the Supervisor of Scientific Computing in the physics department. I am also a lecturer in the physics department.  
Previous employment: 1990 - 2000: Physical Research Laboratory, India  
1988 - 1990: Raman Research Institute, India  
Research experience: 1988 - 1990: Post-Doctoral Fellow, Raman Research Institute, India  
1990 - 1991: Post-Doctoral Fellow, Physical Research Laboratory, India  
1991 - 1997: Scientist-D, Physical Research Laboratory, India  
1998 - 2000: Reader, Physical Research Laboratory, India  
Sep 1997 - Nov 1997: Visiting Scientist, Albert Einstein Institute, Germany  
Sep 1999 - Nov 1999: Visiting Scientist, Albert Einstein Institute, Germany  
2000 - 2006: Senior Research Scientist, Washington University in St. Louis  
Teaching experience at Washington University:  
2004 - present : General Physics I and II  
2004 - present: Introduction to Relativity  
Fall 2005: Theoretical Physics  
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## Publications

- S. Iyer and C. M. Will, *Black-hole normal modes: A WKB approach. I. Foundations and application of a higher-order WKB analysis of potential barrier scattering*, Phys. Rev. D **35**, 3621 (1987).
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- E. Seidel and S. Iyer, *Black-hole normal modes: A WKB approach. IV. Kerr black holes*, Phys. Rev. D **41**, 374 (1990)
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- A. Gupta, S. Iyer and A. R. Prasanna, *Centrifugal force and ellipticity behaviour of a slowly rotating ultra-compact object*, *Class. Quantum Grav.*, **13**, 2675 (1996)
- A. Gopakumar, B. R. Iyer and S. Iyer, *Second post-Newtonian gravitational radiation reaction for two-body systems: Nonspinning bodies*, *Phys. Rev. D* **55**, 6030 (1997)
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- A. Gupta, S. Iyer and A. R. Prasanna, *Behaviour of the centrifugal force and of ellipticity for a slowly rotating fluid configuration with different equations of state*, *Class. Quantum Grav.*, **14**, L143 (1997)
- A. Gupta, A. Gopakumar, B. R. Iyer and S. Iyer, *Padé approximants for truncated post-Newtonian neutron star models*, *Phys. Rev. D* **62**, 044038 (2000)
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- E. Evans, A. Gopakumar, P. Gressman, S. Iyer, M. Miller, W-M. Suen and H-M. Zhang, *Head-on/near head-on collisions of neutron stars with a realistic EOS*, *Phys. Rev. D* **67**, 104001 (2003)
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- E. Berti, S. Iyer, C. M. Will, *Eccentricity content of binary black hole initial data*, *Phys. Rev. D* **74**, 061503(R) (2006)
- E. Berti, S. Iyer, C. M. Will, *Post-Newtonian diagnosis of quasiequilibrium configurations of neutron star-neutron star and neutron star-black hole binaries*, *Phys. Rev.* **77**, 024019 (2008)