

## Curriculum Vitae

Apurva Mudgal  
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### Education

Ph.D. Candidate, College of Computing, Georgia Institute of Technology.  
Bachelor of Technology in Computer Science and Engineering, IIT Bombay.

### Academic Award and Achievements

- **Dean's Fellowship**, College of Computing, Georgia Tech.
- Director's Award for Academic Excellence, IIT Bombay, 1999-2000.
- National Talent Search Scholar, 1996.

### Publications

#### Journal

- Sven Koenig, Joseph S. B. Mitchell, Apurva Mudgal and Craig Tovey, **A Near-tight Approximation Algorithm for the Robot Localization Problem**, SIAM Journal of Computing, 39(2), 461-490, 2009. *A preliminary version of this paper appeared in SODA '06.*
- Apurva Mudgal, Craig Tovey, Sam Greenberg and Sven Koenig, **Bounds on the Travel Cost of a Mars Rover Prototype Search Heuristic**, SIAM Journal on Discrete Mathematics, 19(2), 431-447, 2005.

#### Conference

- Sven Koenig, Apurva Mudgal and Craig Tovey, **A Near-tight Approximation Lower Bound and Algorithm for the Kidnapped Robot Problem**, In *Proceedings of the Symposium on Discrete Algorithms (SODA)*, pages 133-142, 2006.
- Apurva Mudgal, Craig Tovey and Sven Koenig, **Analysis of Greedy Robot-Navigation Methods**, In *Proceedings of the 8th International Symposium on Artificial Intelligence and Mathematics (AMAI)*, 2004