

Research interests

- Approximation Algorithms, Graph Theory, Computational Complexity

Education

- **Indian Institute of Technology, Madras** Chennai, India
M.S. by Research in Computer Science and Engineering Aug. 2011 – Present
 - **Advisor:** Dr. N. S. Narayanaswamy
 - **Courses:** Advanced Data Structures and Algorithms, Advanced Theory of Computation, Advanced Algorithms, Advanced Complexity Theory, Graph Theory
- **Pune Institute of Computer Technology, Pune** Pune, India
B.E. in Information Technology Aug. 2007 – May 2010
 - Secured direct second-year admission because of completion of Diploma in Information Technology.
 - **Key Courses:** Discrete Structures, Digital Electronics and Microprocessor, Programming Paradigms and Methodology, Data Structures and Files, Computer Organization, Database Management Systems, Operating System, Theory of Computation, Computer Network Technology, Software Engineering
- **K. K. Wagh Polytechnic, Nashik** Nashik, India
Diploma in Information Technology Aug. 2004 – May 2007

Research Experience

- **Geometric Set Cover on a set of line segments** IIT Madras
Advisor: Dr. N. S. Narayanaswamy May 2012 – Present
 - Investigating the problem of covering an input set of line segments with a minimum number of points.

Work Experience

- **Software Engineer** Pune, India
Persistent Systems Ltd. July 2010 – June 2011
 - Worked as a Developer on Salesforce platform a Software as a Service(SaaS) cloud computing platform.

Teaching Experience

- **Teaching Assistant** Chennai, India
IIT Madras Aug 2011 – Apr 2013
 - **CS1100: Computational Engineering Lab:** Mainly responsible for helping First year students in C programming practical sessions. Handled a total of 30 students in three different semesters.
 - **CS5800: Advanced Data Structures and Algorithms:** Responsible for helping First Year Masters students with programming assignments based on course work. Also responsible for handling exams.

Service

- Sub-Reviewer for International Workshop on Algorithms and Computation 2013

Workshops

- Attended the 3rd Annual Mysore Park Workshop held from Aug 10-12, 2012. The workshop focused on Recent Trends in Algorithms and Complexity.

Achievements

- Certified as a Cisco Certified Network Associate(CCNA) at age 13, which is also the minimum age required for the certification.
- Among the top 99.3 percentile rankers in Graduate Aptitude Test in Engineering, hence awarded scholarship for pursuing M.S. at IIT Madras by Ministry of H.R.D., Government of India.
- Participated in several coding contests during undergraduate studies, and won following prizes:
 - 1st prize in *Cipher Test* coding contest held at D. Y. Patil College of Engineering, Pune.
 - 2nd prize in C Programming contest held at Sinhgad College of Engineering, Pune.
 - 2nd prize in *Brain Vita* technical quiz contest held at P.E.S. Modern College of Engineering, Pune.
 - 2nd prize in *Dig the Bugs* debugging contest held at P.E.S. Modern College of Engineering, Pune.
 - 2nd prize in *Code Combat* C Programming contest held at D. Y. Patil College of Engineering, Pune.
 - 2nd prize in *Innovision* technical quiz contest held at Rajarshi Shahu College of Engineering, Pune.
 - 2nd prize in C++ Programming contest held at Sinhgad College of Engineering, Pune.
- Recognized as an Outstanding TA for CS1100 during Jan-May 2013 Semester

Skills

- **Languages:** C/C++, Python, Java, \LaTeX , HTML, CSS
- **Operating Systems:** Windows, Linux

Hobbies

- Philately, Numismatics and Notaphily
 - Occasionally write about my collection on the Wordpress blog: numisphilat
- Literature
 - Keen reader of topics on Indian Mythology. Favorite author is Devdutt Pattanaik.