

Abhay B. Joshi

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Objective

I am interested in teaching computational thinking to post-elementary students with a focus on program design and application of concepts to problem-solving.

Teaching experience

- ▶ Since 2008, I have taught Scratch, Logo, Alice, and C programming to 800+ students of 6th thru 9th grades, in Pune (India) and Redmond (WA).
- ▶ I have conducted teacher training workshops in India.
- ▶ I have mentored, coached, and trained numerous employees during my industry experience (see below).

Related activity

- ▶ Co-authored a set of 2 books on “Logo Programming” for children. These are available in print format as well as on Amazon Kindle. For more information, see: http://www.abhayjoshi.net/mybooks/logo_book.pdf
- ▶ Authored and published two books on Scratch: “Learn CS Concepts with Scratch” and “Advanced Scratch Programming”. These are available in print format as well as on Amazon Kindle. For more information, see: <http://www.abhayjoshi.net/mybooks/home.htm>
- ▶ Founded an informal forum of software professionals called SPARK Institute (<http://abhayjoshi.net/spark>) where the focus is designing teaching material and conducting classes.
- ▶ Contributed two handouts to the ScratchEd community:
 1. [Learning through Programming](#)
 2. [Scratch – a perfect choice for middle school students](#)

Software industry experience

- ▶ Director at InPods, India – a company specializing in creating cloud-based tools for online learning management (2009 – to date).
- ▶ Co-founder and CEO of Disha Technologies – a company co-located in Bellevue USA and Pune India, which specialized in independent software testing for ISVs, which was later acquired in 2004 by Aztecsoft, a product engineering services company (1997-2008).
- ▶ Programmer at Motorola, Microsoft, and Palindrome: requirements analysis, software development, and testing. (1994-1996)
- ▶ Unix kernel/application development: enhancement of TCP/IP network protocols, and security product development at Interactive Systems (Santa Monica, CA) and Addamax Corporation (Champaign, IL) (1989-1993)

Academic record

- ▶ **Several online courses in CS / Programming** (2013 – to date)
- ▶ **Master of Science in Computer Engineering** (Dec 1988)
Syracuse University, Syracuse, NY 13244
- ▶ **Bachelor of Engineering in Instrumentation** (Jun 1984)
College of Engineering, University of Poona, Pune, India

Miscellaneous

- ▶ Languages: Scratch, Logo, C, Java, Python, C++, AppInventor, R
- ▶ Member of CSTA and ACM SIG-CSE.
- ▶ Other interests include music (playing violin and keyboard), writing (fiction and non-fiction), philosophy, and personal coaching.

Last updated: 6 April 2017