

# Shardul Joshi

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## Education

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**Rensselaer Polytechnic Institute (RPI)** | Troy, NY | May 2022

- Bachelor of Science in Computer Science, with an additional minor in Management
- GPA 3.71 – Dean's Honor List
- Notable courses include Data Structures, Introduction to Algorithms, Foundations of Computer Science, Computer Organization, Linear Algebra, and Introduction to Management

**Andover High School (AHS)** | Andover, MA | Jun 2019

- GPA 3.87 (unweighted), 4.53 (weighted) – honor roll, top 10% of a 446-member graduating class

## Experience (work, volunteer, and independent projects)

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**Cadence Design Systems, Inc.** | Burlington, MA | May 2020 – present | *Software engineering intern*

- Works on feature development for Cadence's chip design layout software, Allegro
- Primary contributor on projects including a theme customization feature and code maintenance to improve discipline of code

**Rensselaer Advising and Learning Assistance Center** | Troy, NY | Feb 2020 – present | *Tutor*

- Tutored and provided homework help to students in Data Structures course at RPI

**Syntax Solutions** | Andover, MA | Nov 2015 – Jul 2019 | *Co-founder/web-developer*

- Co-founded a business to address growing need for various local businesses to build an online presence
- Portfolio of multiple, completed projects available at [syntax-solutions.xyz](http://syntax-solutions.xyz)

**University of New Hampshire Tech Camp** | Durham, NH | Jul 2019 | *Camp counselor (day and night)*

- Counseled students (grades 8-12) at a STEM camp at the University of New Hampshire
- Aided students in various projects, including an introduction to programming

**Russian School of Mathematics** | Andover, MA | Sep 2017 – Jun 2019 | *Tutor*

- Tutored students from grades 5-10 in mathematics by helping with math homework and concepts

**TiE Boston Young Entrepreneurs** | Boston, MA | Sep 2017 – Apr 2018 | *CTO of team of five*

- Bi-weekly workshops over 9 months culminating in a business plan competition judged by a VC panel
- Learned from real-world entrepreneurs about various aspects of running a startup (research, marketing, finance, prototyping, presentation, teamwork, and other interpersonal skills)
- Conceived, designed, and proposed, with early prototypes, a software to automate recommendations for teachers that suggest specific extra help content catered to individual student needs

**Konjoian Education Center** | Andover, MA (Now located in North Andover, MA) | Sep 2016 – Nov 2016 | *Intern*

- Gathered requirements, designed and built the center's website: [www.konjoianeducationcenter.com](http://www.konjoianeducationcenter.com)
- Worked with business manager to implement new technologies to improve user experience and trained staff

## Skills

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**Technical:** Python, Java, Swift, C, C++, HTML, CSS, JavaScript, Git, Flask (Python framework), data structures, object-oriented design, Microsoft Office, MacOS, Linux, Windows, linear algebra, discrete mathematics, LaTeX

**Soft:** writing, organization, team leadership, project management, team building, project planning, public speaking, teamwork

**Languages:** English, Spanish, Marathi

## Activities/Honors

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**Presently:** Editorial/Opinion Editor for *The Polytechnic* (online school newspaper [poly.rpi.edu](http://poly.rpi.edu))

**Previously:** Captain of high school cross country, Logistics Coordinator of high school science team, guitarist for Spoonful of Sarcasm (band), high school computer science club member

**Honors:** Rensselaer Leadership Award, Rensselaer Recognition Award, National Honor Society, high school honor roll, National AP Scholar, AP Scholar with Distinction, Excellence in Java Programming (high school), MA State Seal of Biliteracy