

Akshay Desai

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PROJECTS AND COMPETITIONS

Cache Simulator	Rochester, NY
<i>Computer Organization</i>	April 2017
<ul style="list-style-type: none">Created a simulator for cache memory that classified what type of hit or miss each call was	
Internet Bot	Rochester, NY
<i>Rochester Hackathon</i>	February 2017
<ul style="list-style-type: none">Built a website that allowed the user anywhere in the world to control a car built from scratchLearned how to use servers and build a functioning site in under 36 hours	
Relational Database	Rochester, NY
<i>Computation and Formal Systems</i>	November 2016
<ul style="list-style-type: none">Implemented a relational database in C with queries using relational algebra	
Shortest Route Finder	Rochester, NY
<i>Data Structures & Algorithms</i>	April 2016
<ul style="list-style-type: none">Found the shortest path from one location to another using coordinates and graphsMinimized run time to process large amounts of data	

EDUCATION

UNIVERSITY OF ROCHESTER	Rochester, NY
<i>Bachelor of Science Degree in Computer Science, Systems Track</i>	Anticipated May 2019
<ul style="list-style-type: none">Minor in MathematicsGPA 3.3/4.0Activities: Rochester Bhangra Competitive Dance Team, RocHack, Computer Science Undergraduate Council, Debate Union	

CAMPUS EMPLOYMENT

Center for Excellence in Teaching and Learning	Rochester, NY
<i>Tutor</i>	September 2016 – Present
<ul style="list-style-type: none">Help students struggling with computer science material	
Department of Public Safety	Rochester, NY
<i>Security Assistant</i>	September 2016-Present
<ul style="list-style-type: none">Monitor campus buildings for any hazards and assure students' safety	
Residential Life	Rochester, NY
<i>Freshman Fellow</i>	August 2016-Present
<ul style="list-style-type: none">Help incoming students' transition to college and act as a peer academic resource	
Department of Computer Science	Rochester, NY
<i>Teaching Assistant for "Intro to CS" & "Data Structure and Algorithms"</i>	January 2016-December 2016
<ul style="list-style-type: none">Lead weekly workshops and grade quizzes and tests	

SKILLS

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- Coding Languages: Java, C, Python, HTML, CSS, JavaScript, MIPS, Scheme, C++, MySQL
 - Understanding of Agile and SCRUM development
 - Knowledge of many data structures through classes and teaching staff positions
 - Proficient with UNIX, git, shell scripts, and Microsoft Office
 - Intermediate understanding of Spanish and basic understanding of Marathi