

Shivam Swarnkar

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EDUCATION

New York University, Tandon (Poly) School of Engineering, New York, NY
Bachelor of Science, 2018 GPA: 3.88 (Dean's List Candidate)

Major: Computer Science and Engineering Relevant Courses: Artificial Intelligence, Intro to Operating Systems, Data Structures and Algorithms, Algorithms design and analysis, Computer Architecture and Organisation, Mechatronics, Intro to Robotics, Parallel Computing, OOP with C++, Discrete Math, Web Development with Java
Minor: Electrical Engineering
Business Minor (CAS & Stern)

PROFESSIONAL EXPERIENCE

Teaching Assistant, CSE department at NYU, New York, NY [09/15 - 12/15, 09/16-12/16]
• Taught Procedural Problem solving and programming with Python
• Conducted Recitations and designed homeworks
• Prepared exam and practice questions and helped design the curriculum

Summer Internship at All India Society for Electronics and Computer Technology [05/15 - 08/15]
• Taught object oriented programming using C++ to college level students
• Conducted conferences to promote the Indian Government's initiative Digital India

Computer Teacher at All India Society for Electronics and Computer Technology [2013-2014]
• Taught procedural problem solving and programming using python to high school level students

PROJECTS

<i>Algo-Analysis, Fall 2016</i> Developed a system using Java to visually analyze the performance some Search and Optimization Algorithms. .	<i>NYUPortKey, Fall 2016</i> A movable telepresence robot which provides its user a 360 degree VR experience.
<i>My Heart, Spring 2017</i> A team project to create and train an intelligence agent to interview user, and suggest entertaining materials depending on user's mood.	<i>SpyMice, Spring 2017</i> A semi-autonomous floor mapping robot which could wirelessly be controlled and transmit the sensory data to user.

TECHNICAL SKILLS AND EXPERTISE

Programming, Scripting and Markup Languages: C++, C, Java, Python, JavaScript , HTML, CSS
Tools and OS: Unity3D, OS X Windows, Ubuntu

ACHIEVEMENTS, AWARDS & LEADERSHIP ACTIVITIES

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| • Founder of the Team Afro Dog and the BlueMirrors group | [2015] |
| • Student Union President | [2011 & 2013] |
| • Class President | [2003-2010] |
| • Speaker of the year | [2009] |
| • Ranked third in division for chess competition | [2009] |
| • Represented division at a State Level Science Fair | [2010] |
| • Winner of Shri Ganesh H.S. Cricket Cup | [2012] |