

# JAY R. PATEL

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## OBJECTIVE

SEEKING AN OPPORTUNITY, WHICH UTILIZES MY PERSONAL TALENTS AND STRENGTHS, TO FURTHER GAIN TECHNICAL KNOWLEDGE AND HANDS-ON EXPERIENCE IN BIOINFORMATICS.

## EDUCATION

**University of Rhode Island** Kingston, RI, U.S.A. **Biomedical Engineering** *Sept 2016 - July 2017*

- GPA: 3.49 (Fall Semester), GPA: 3.7 (Spring Semester)

**University of Connecticut** Storrs, CT, U.S.A. **Computer Science, Bioengineering** *Aug 2017 - Present*

- GPA: 3.29 (Fall Semester), GPA: 3.59 (Spring Semester)
- Computational and System Biology Track (Bioinformatics)

## PROFESSIONAL WORK/RESEARCH EXPERIENCE

**Medical Clinic Assistant** Providence, RI *Jul 2017 - Aug 2017*

- Assisted Dr. Harikrashna Bhatt with tasks around the Diabetes and Endocrinology clinic affiliated with Brown University. These tasks included working with diabetic patients, clerical work, financial tasks, and looking at test results. Learned different medical concepts/terminology and human physiology. Displayed knowledge in and ability to learn bioinformatics and coding.

**Undergraduate Research Assistant** Farmington, CT *Jan 2018 – May 2018*

- The objective is to see how PRG-4 and other molecules bind through Western blotting and QCM-D. During the research, we will be assessing interaction with HA. The engineering constraint of this experiment is maintaining molar ratios. This work could contribute to the development of a rhPRG4 based biomaterial or bio-therapeutic for the treatment of arthritis.

## SKILLS

- **Technical Skills:** Python, MatLab, LabVIEW, HTML, C#, and GitHub
- **Computer/Smartphone Skills:** Adobe Photoshop CC, Auditions CC, Premiere Pro CC, Hardware & Software Diagnostics, Video and Audio Editing, A/V Equipment, Microsoft Office
- **Language Skills:** Gujarati (native), English (native), Hindi (intermediate), Spanish (intermediate).

## AWARDS & EXTRACURRICULAR ACTIVITIES

### Awards, Memberships, Certifications

- Honor Roll *College Year I*
- Dean's List *College Year I*
- RAM Leadership Training (BAPS) *College Year I, II*
- URI EMBS's Rookie of the Year *College Year I*

### Extracurricular Activities

- BAPS Campus Fellowship (President) *Sept 2017 - Present*
- UCONN Engineering World Health *Sept 2017 - Present*
- UCONN Biomedical Engineering Society *Sept 2017 - Present*
- Indian Student Association *Sept 2016 - Present*
- URI Engineers for a Sustainable World *Sept 2016 - Aug 2017*

## VOLUNTEER EXPERIENCE

**BAPS Local Youth Activities Lead** Newington, CT **Religious Organization** *Aug 2012 - Present*

- Accountable for the education and progress of 35 youths on a weekly basis in Sharon, MA & Newington, CT while setting a strong cultural and religious foundation.
- Responsible to lead a team of 8 Local Coordinators.
- Work as a team to lead various events such as Sports Day, Kid's Diwali Celebration, etc.

**The Matty Project Volunteer (Previously known as The Matty Fund)** *Aug 2016 – Aug 2017*

- Volunteered at two events to help children with Epilepsy