

# Tilak Patel

315-720-8202 | tilakny@gmail.com | [LinkedIn](#) | [GitHub](#) | US Citizen

## EDUCATION

### Northeastern University

*Bachelors of Science*

**Major:** Computer Science

**Minors:** Computer Engineering & Robotics

**Relevant Coursework:** Object-Oriented Design, User Experience Design, Algorithms & Data Structures

**Sept. 2023 – May 2027**

*Boston, MA*

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, JavaScript, HTML, CSS

**Frameworks & Libraries:** Scikit-Learn, TensorFlow, React, Flask

**Tools & Software:** Microsoft Office 365, Power Automate, AutoCAD, Linux

**Automation:** Selenium, Bash, Git

## EXPERIENCE

### Network and Software Engineer Intern

*GreenTree Capital and Asset Management*

**June 2024 – Present**

*Remote*

- Used Power Automate to handle API calls, improving application efficiency as well as development.
- Optimized CRM, Microsoft SharePoint, Teams, and Office 365 systems, improving data management.
- Developed and optimized React.js applications for GreenTree Capital's corporate website, significantly enhancing user experience and functionality.
- Designed and implemented remote management and backup solutions, managed virtual machines and Azure directories, and automated database processes using Python and Linux.

### Undergraduate Research Assistant

*Mon(IoT)r Lab, Northeastern University*

**May 2024 – Present**

*Boston, MA*

- Conduct research on privacy concerns related to voice assistants (Amazon Alexa, Google Assistant), focusing on how user interactions influence profiling activities.
- Perform risk assessments associated with profiling and evaluate the transparency of privacy policy disclosures using data-driven approaches.
- Design and implement user profiles to simulate diverse interactions; develop automated scripts in Selenium, Python, and bash to collect and analyze data.
- Collaborate with interdisciplinary teams to advance research methodologies

### IT and PR at Swaminarayan Akshardham

*BAPS Swaminarayan Akshardham*

**June 2023 – Sept. 2023**

*Robbinsville, NJ*

- Spearheaded guest services and guided tours at Swaminarayan Akshardham, blending technical proficiency with interpersonal skills.
- Authored and edited comprehensive reports, leveraging Python scripting to streamline operations and enhance efficiency.
- Utilized Microsoft tools, including Power Automate and Microsoft 365, to optimize workflow and enhance organizational communication.

## PROJECTS & SKILLS

### Co-OpSearcher Group Web App | *Python, Flask, React, Selenium, ChatGpt API*

**May 2024 – Present**

- Collaborating and developing a full-stack Co-Op/Internship web scraper and web application using with Flask serving a REST API with React as the frontend in a group
- Implementing Selenium, Flask and ChatGPT API to retrieve and analyze data

### FloodIt Game | *Java*

**June 2024**

- Recreated the game FloodIt in Java.
- Enhanced gameplay mechanics and user interface.

### ColorPicker Web App | *React, JavaScript, HTML, CSS, Git*

**June 2024**

- Developed a web app for color selection using React hooks for state management.
- Enhanced user interaction with dynamic and responsive design.

### Weather App | *Python, CustomTkinter, GitHub*

**Oct. 2023**

- Built a desktop application for real-time weather data retrieval using Python and Tkinter.