

# Yatri Patel

yatripatel.1609@gmail.com | +1(423)-242-5217

Chattanooga, TN, USA

Website: [yatri1609.github.io](https://yatri1609.github.io)

## EXPERIENCE

---

### Tennessee Valley Authority (TVA), Chattanooga, TN

#### Intern

Sept. 2020 - Present

- Compiled and created the documentation of Misty the Robot and AWS DeepRacer.
- Led and completed projects to showcase data visualization and reinforcement learning.
- Supported my team to generate different use cases for different emerging technologies.
- Led the project for designing hands-on experiences and workshops for Misty the Robot and AWS DeepRacer
- Led the Change Management for Innovation Scouting Project.
- Supported my team in the launch of the Technology Experience Center known as TechX.
- Planned and headed the Misty the Robot experience for the TechX launch day.
- Programmed Misty the Robot for TVA Trivia and touch sensing capabilities.
- Collaborated and coordinated to set up the IoT Wall to showcase InsightCM system.
- Collaborated with Data & Analytics team to discuss and potentially pilot different use cases with Misty the Robot.

### Center of Urban Informatics and Progress (CUIP), Chattanooga, TN

#### Undergraduate Researcher

Sept. 2019 – Feb. 2021

- Lead a public transit optimization project – which is aimed at increasing the public transit ridership in Chattanooga, by using machine learning algorithms and simulations.
- Led multiple meetings with the stakeholders of the project
- Predicted ridership of new routes at stop level from the data of the current stops.
- The project is predicted to help the local transit authorities to predict the outcome of the changes made to the public transit routes.

### FOSSASIA, Singapore (Remote position)

June 2018 – Sept. 2018

#### App Developer Intern – PSLab.io

- Improved the usability of the app by adding more instruments and changing the UI to materialistic UI.
- Collaborated with a team to pilot the hardware for the PSLab.io
- Managed the GitHub repository for the PSLab.io

## EDUCATION

---

### University of Tennessee at Chattanooga, Chattanooga, TN

Aug. 2022 – TBD

M.S., Data Analytics (Business Track)

### University of Tennessee at Chattanooga, Chattanooga, TN

Aug. 2019 – Dec. 2021

B.S., Computer Science: Data Science

**Cumulative GPA:** 3.931

- Graduated with Summa Cum Laude honors and a member of Alpha Society at UTC.

### Dhirubhai Ambani Institute of Information and Communication Technology (DAIICT), Gandhinagar, Gujarat, India

Aug. 2017 – May 2019

B.Tech., Information and Communication Technology

- Completed freshmen and sophomore year at DAIICT, later transferred to UTC.
- **Involvement:** A member of Developers' Student Club (a Google affiliated club) and IEEE campus member.

## EXTRA-CURRICULARS AND LEADERSHIP

---

### DAIICT Center of Entrepreneurship and Innovation, Gandhinagar, Gujarat, India

Vice President Public Relations and Marketing

Aug. 2018 – May 2019

DCEI is focused on promoting innovation and entrepreneurship among students at DAIICT. The organization does so by providing opportunities for funding and organizing workshops for the same.

- Expanded the DCEI network over more than 100 colleges across India.
- Collaborated with more than 5 new potential investors, including the government initiatives.
- Organized and managed 2 national level events, namely Hack Infinity and Indradhanush Workshop.

### GitHub

GitHub Campus Expert - UTC

GitHub Campus Expert - DAIICT

- Increased awareness of open source and GitHub as a platform in campus.

- Organized 2 beginners GitHub campus for the students

in the campus.

Aug 2019 - Dec 2021  
Jan 2019 - May 2019

## **CONFERENCES AND PUBLICATIONS**

---

- Paper accepted to Transportation Research Board (TRB) for Annual TRB meeting 2021 ([LINK](#)).
- Paper published under Smoky Mountains Computational Sciences and Engineering Conference ([LINK](#)).
- Poster accepted in Research Dialogues 2020 ([LINK](#)).

## **CERTIFICATES**

---

- Lean Six Sigma – Yellow Belt
- Systems Thinking
- Systems Mapping

## **SKILLS, INTERESTS & OTHER**

---

### **Skills:**

*Technical:* Python, R, SQL, Machine Learning, Java, Python libraries, Azure, Java API integration, Git, HTML, PHP

*Non-technical:* Time Management, Leadership, Creative and analytical thinking, Strategic, Active Learning, Collaborative and Problem solving, Lean Six Sigma, Systems Thinking, Systems Mapping

**Interests:** Reading, watching documentaries, writing, and baking.