Yatri Patel

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Chattanooga, TN, USA

EXPERIENCE

Tennessee Valley Authority (TVA), Chattanooga, TN

Software Engineer   May 2022 - Present

- Responsible for managing the Primavera P6 software.
- Manage the database for the two scheduling software being used at TVA.
- Responsible for managing and modernizing existing MuleSoft integrations and establish standards.

Tennessee Valley Authority (TVA), Chattanooga, TN

Intern   Sept. 2020 – May 2022

- 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

Georgia Institute of Technology, Atlanta, GA   Aug. 2022 – TBD

M.S., Analytics

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

- Increased awareness of open source and GitHub as a platform in campus.
- Organized 2 beginners GitHub campus for the students in the campus.

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](#)).

SKILLS, INTERESTS & OTHER

Skills:
Technical: Python, R, SQL, Machine Learning, Data Visualization, Tableau, PowerBI, 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

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