

Abhinav Tripathi

(669) · 946 · 7533 · tripathi.abhinav03@gmail.com · www.linkedin.com/in/abhinav-tripathi-655794141

SUMMARY

With more than 1-year of experience in Robotic Process Automation Design, Log Analysis and Execution. Dynamic and determined M.S candidate in Electrical Engineering; Actively seeking a summer Electrical Engineering internship.

EDUCATION

Master's in Electrical Engineering, Major's in Signal Processing and Communication, San Jose State University *Graduating Aug 2022*

Bachelor's in Electronics and Telecommunication, Savitribai Phule Pune University. *Aug 2015 – May 2019*

Relevant Courses- Advanced Topics in MIMO Wireless Communications, Radio Frequency Integrated Circuit Design I, Digital System Design and Synthesis, Communication Systems, Data Structures and Algorithms, Random Processes, Digital Signal Processing, Technical Writing, Wireless Communications.

TECHNICAL SKILLS

Database	MySQL, Oracle
Design and Applications	MATLAB, GNU Radio, OpenAirInterface, UiPath, ServiceNow, Excel, Eclipse, PyCharm, SAP, TFS,
Programming	C, C++, Python
Operating Systems	Windows, iOS and Android
Hardware	Arduino, ESP 8266, Spectrum Analyzer, Signal Generator, Network Analyzer, Raspberry Pi

EXPERIENCE

Automation Engineer L-2, Accelirate, India *Dec 2019 - July 2021*

- Providing RPA 'Robotic Process Automation' solution to various U.S based clients.
- Test Plan creation and execution to check the efficiency of the bot automation.
- Development of an automation framework using C# for monitoring live logs and issue reporting.
- Implementing technologies like Computer Vision and IOT in live project.
- Efficient handling of the daily issues faced by the bot in real-time.
- Performing deep dive log analysis using the UiPath Orchestrator tool for automation and logic issues.
- Detailed technical documentation of the automation bot and training.
- Log Monitoring and reporting via weekly dashboards. Coverage included for more than 68 automation bots deployed worldwide.
- Effective communication and presentation with the end client on weekly basics.

ACADEMIC PROJECTS

San Jose State University, Ongoing Study on Imperfection in OFDM system *Aug 2021-Present*

- Directive study to understand OFDM need and its current imperfection like system clock offset (SCO), Phase Noise, Carrier Carrier frequency offset (CFO), IQ Impairments.

San Jose State University, Ongoing Research on Interference prediction in a MIMO system *Aug 2021-Present*

- Simulating a scenario which could predict interference for a local channel knowledge without knowing the location of users.

San Jose State University, Evolution of 5G *July 2021 – Present*

- Directive Study of architecture of 5G and future aspects of 6G
- Ongoing research on application of AI using Reinforcement Learning in 5g to improve performance during network congestion.

Pune University, Home Automation & Security with Intruder Trapping *May 2018 – Apr 2019*

- Automated intrusion detection and alerting security algorithm, based on Concept of IoT.
- The mechanism to notify the user and deploy preventive security actions upon threat detection.

Pune University, Remote Temperature Sensor Using GSM Module *Jan 2018 – Apr 2018*

- This project is used to detect the temperature of human body or surrounding with the help of LM-35.
- User is notified via SMS based on the predefined thresholds