

Siddhi Potdar

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EDUCATION

- **University of Texas at Dallas** Dallas, USA
Masters of Science - Computer Science Aug 2022 - Present
- **Savitribai Phule Pune University** Pune, India
Bachelor of Engineering - Computer Engineering; GPA: 9.41/10 Aug 2017 - Jul 2021

EXPERIENCE

- **PubMatic, Inc.** Pune, India
Software QA Automation Engineer (Full-time) Apr 2021 - July 2022
 - Worked at a programmatic advertising company that uses Machine Learning techniques to automate inventory sales. Developed and maintain automation test suites for multiple ML projects, and also performed QA verifications for incremental changes using py-test, PySpark and distributed systems. Joined part-time in April 2021 with undergraduate studies and started working full time from August 2021.
- **Persistent Systems Pvt. Ltd.** Pune, India
Academic Intern (Part-time) Jan 2021 - Mar 2021
 - Joined a multi-national software product company in the senior year and underwent training in Java, SQL, Maven, and GIT.
- **myMO IT Solutions** Remote
Technical Trainee (Python Developer) (Part-time) Jan 2020 - Mar 2020
 - Worked remotely at the software company for 3 months and learned Scrapy and GIT, and also developed a web-app to extract the table of contents with proper links for a given documentation website.

SKILLS SUMMARY

- **Computer Languages:** Python, C++, HTML, CSS, Java.
- **Frameworks & APIs:** Scikit-learn, TensorFlow, Keras, Flask, Scrapy, Bootstrap, Selenium, Docker, GIT, Anvil, Spark.
- **Databases:** MySQL, MongoDB

PROJECTS

- **Extraction of Metadata for Video Ads** (Dec '21)
Tech: Python, TensorFlow, Keras, Hadoop & OpenCV
Used EfficientNet model to extract metadata from video ads to help their categorization.
- **Artificial Vision for Visually Impaired** (May '21)
Tech: Python, Flask, Anvil, Ionic, JUnit, PyTorch
Developed an end-to-end voice-controlled mobile application that assists the visually impaired by answering questions about their surroundings using Visual Question Answering and Optical Character Recognition techniques.
- **Detection of Liver Diseases** (Mar '21)
Tech: Python, Scikit-learn
Implemented a tree-based model that can predict the presence of liver disease, trained using a benchmark dataset.
- **RFID-based Smart Trolley** (Mar '20)
Tech: Raspberry Pi, RFID & Python
Built a shopping cart that uses RFID technology to mark the price of added items and generate the final receipt.
- **Facial Recognition Based Attendance Marking and Analysis System** (Sep '19)
Tech: Python, TensorFlow, PyQt5, MongoDB
Implemented an efficient attendance marking system and data analysis tool using Python. Front-end coded using PyQt5. Database management implemented using MongoDB.
- **Image Captioning Model** (Jun '19)
Tech: Python, TensorFlow, Flask, HTML & CSS
Implemented a web service app using Flask & HTML to generate titles for images using deep learning.

PUBLICATIONS

- **Paper:** Artificial Vision for Visually Impaired, Siddhi Potdar, Aditya Kawale, Sakshi Gupta, Siddharth Kulkarni, published in Journal of Critical Reviews, 2020
- **Patent:** Patent filed for application design Artificial Vision for Visually Impaired project, at Indian Patents Office, 2021

HONORS AND AWARDS

- Awarded #TeamWork individual award at PubMatic, Pune for significantly reducing automation backlogs and contributing to framework enhancements in 2021.
- Winner at the IET-Hackathon, PCCOE in 2021 among more than 50 participating teams.
- Among 20 Semi-Finalists at Avishkar Project Competition held at inter-university level in 2019.
- Runner-Up at Tech-Treasure Hunt Competition, PCCOE-Spectrum in 2018 among more than 80 participating teams.
- Student of the Year 2017 at Gyan Ganga International School, Pune for academic and extracurricular performance.

EXTRACURRICULARS

- **Computer Engineering Student Association (ACM Student Chapter)** Pune, India
Head of Communication and Personality Development Cell Jul 2019 - Aug 2020
 - Organized online and offline technical & soft-skills workshops and competitions impacting over 500 students.
- **ICCUBEA(IEEE) Conference** Pune, India
Volunteer, Conference Management Team Oct 2018
 - Volunteered in the event management team for 4th International Conference on Computing, Communication, Control and Automation.