

SIDDHI POTDAR

siddhi.potdar@utdallas.edu [+1 412-816-5433](tel:+1412-816-5433) [Siddhi Potdar](https://www.linkedin.com/in/SiddhiPotdar) [Siddhi Potdar](https://www.github.io/SiddhiPotdar) siddhi-potdar.github.io

EDUCATION

University of Texas at Dallas, Richardson, TX Masters of Science - Computer Science	Aug'22 - May'24
Savitribai Phule Pune University, Pune, India Bachelor of Engineering - Computer Engineering GPA: 9.41/10	Aug'17 - Jul'21

EXPERIENCE

PubMatic, Inc. Machine Learning Engineer (Full-time) <ul style="list-style-type: none">Worked in the ML team at the programmatic advertising company that has over 500 clients globally that use the platform.Built and improved Spark and Hadoop pipelines for the execution of automation test suites and report generation for multiple ML projects.Performed unit testing and regression testing, with more than 80% code-coverage for 2 ad-bidding projects, to identify data drift leading to model decay in production.	Apr'21 - July'22 Pune, India
Persistent Systems Pvt. Ltd. Software Developer Intern (Part-time) <ul style="list-style-type: none">Underwent training and assessments in industry technologies like Java, RDBMS, Maven, and Git at the multi-national software product company.	Jan'21 - Mar'21 Pune, India
myMO IT Solutions Software Developer Intern (Part-time) <ul style="list-style-type: none">Developed a web app that extracts the table of contents of a documentation website, whilst preserving its structure.The deployment showed a 90% accuracy on standard documentation websites and created a browsable index per site.	Jan'20 - Mar'20 Remote

PUBLICATIONS & PATENTS

Artificial Vision for Visually Impaired, published in Journal of Critical Reviews	Aug'20
Patent filed for application design Artificial Vision for Visually Impaired project, at Indian Patents Office	Aug '21

PROJECTS

Revenue Forecasting (Tech: Python, Prophet) <ul style="list-style-type: none">Used the Prophet library from Facebook to forecast the daily and quarterly revenue of PubMatic using real-time data. Insights and trends obtained helped the company maximize their profits by scaling efforts in peak holiday season.	Jul'22
Video Ads Categorization (Tech: Python, TensorFlow, Keras, Hadoop & OpenCV) <ul style="list-style-type: none">Used the EfficientNet model to predict the metadata from video ads to help their IAB categorization.	Dec'21
Artificial Vision for Visually Impaired (Tech: Python, Flask, Anvil, Ionic, JUnit, PyTorch) <ul style="list-style-type: none">Developed an end-to-end voice-controlled android app that assists the visually impaired by answering questions about their surroundings. It give near-instant and accurate responses to users by using web APIs for speech-to-text and text-to-speech and lightweight ML libraries for computer vision.	May'21
Detection of Liver Diseases (Tech: Python, Scikit-learn) <ul style="list-style-type: none">Implemented a decision tree model that can predict the possibility of liver disease. Trained the model using a benchmark dataset from the UCI machine learning repository.	Mar'21
RFID-based Smart Trolley (Tech: Raspberry Pi, RFID & Python) <ul style="list-style-type: none">Built a smart shopping cart that uses RFID technology to mark the price of added items and generate the final receipt.	Mar'20
Facial Recognition Based Attendance Marking System (Tech: Python, TensorFlow) <ul style="list-style-type: none">Developed a desktop-based efficient attendance marking system and data analysis tool using Python. Front-end built using PyQt5, and database management implemented using MongoDB.	Sep'19
Image Captioning Model (Tech: Python, TensorFlow, Flask, HTML & CSS) <ul style="list-style-type: none">Built a responsive web app using Flask that generates relevant titles for input images using RNN.	Jun'19

HONORS AND AWARDS

[2022] First place at the Revenue Forecast Competition held over 2 quarters at PubMatic with more than 10 teams.
[2021] Awarded #TeamWork individual award at PubMatic for significantly reducing automation backlogs and contributing to framework enhancements.
[2021] First place at the IET-Hackathon at PCCOE, among more than 50 participating teams.
[2019] Semi-Finalist at Avishkar Project Competition held at an inter-university level.
[2018] Runner-Up at Tech-Treasure Hunt Competition, PCCOE-Spectrum, among more than 80 participating teams.
[2017] Awarded a scholarship by the city of Pimpri Chinchwad for exemplary performance in the senior year of high school.
[2017] Student of the Year at Gyan Ganga International School, Pune for outstanding extra-curricular & academic performance.

VOLUNTEERING

Computer Engineering Student Association (ACM Student Chapter) Head of Communication and Personality Development Cell <ul style="list-style-type: none">Organized online and offline technical & soft-skills workshops and competitions impacting over 500 students.	Jul '19 - Aug '20 Pune, India
ICCUBEA(IEEE) Conference Volunteer, Conference Management Team <ul style="list-style-type: none">Helped to manage the 4th International Conference on Computing, Communication, Control and Automation.	Oct '18 Pune, India