

# SIDDHI POTDAR

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## EDUCATION

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

## EXPERIENCE

<b>PubMatic, Inc.</b> Machine Learning Engineer (Full-time) <ul style="list-style-type: none"><li>Worked at the programmatic advertising company that uses machine learning techniques to maximize inventory sales.</li><li>Built and improved Spark and Hadoop pipelines for the execution of automation test suites and report generation for multiple ML projects.</li><li>Performed unit testing and regression testing, with more than 80% code-coverage for each project, to identify data drift leading to model decay in production.</li></ul>	Apr'21 - July'22 Pune, India
<b>Persistent Systems Pvt. Ltd.</b> Software Developer Intern (Part-time) <ul style="list-style-type: none"><li>Underwent training and assessments in industry technologies like Java, RDBMS, Maven, and Git at the multi-national software product company.</li></ul>	Jan'21 - Mar'21 Pune, India
<b>myMO IT Solutions</b> Software Developer Intern (Part-time) <ul style="list-style-type: none"><li>Worked remotely for 3 months to develop a web app that extracts the table of contents of a documentation website, whilst preserving its structure.</li><li>The deployment showed a 90% accuracy on standard documentation websites, and assisted in the creation of a directory for them.</li></ul>	Jan'20 - Mar'20 Remote

## PUBLICATIONS & PATENTS

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

## PROJECTS

<b>Revenue Forecasting</b> (Tech: Python, Prophet) <ul style="list-style-type: none"><li>Used the Prophet library from Facebook to forecast the daily and quarterly revenue of PubMatic using real-time data. Insights and trends obtained helped in taking important business decisions.</li></ul>	Jul'22
<b>Video Ads Categorization</b> (Tech: Python, TensorFlow, Keras, Hadoop & OpenCV) <ul style="list-style-type: none"><li>Used the EfficientNet model to predict the metadata from video ads to help their IAB categorization.</li></ul>	Dec'21
<b>Artificial Vision for Visually Impaired</b> (Tech: Python, Flask, Anvil, Ionic, JUnit, PyTorch) <ul style="list-style-type: none"><li>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.</li></ul>	May'21
<b>Detection of Liver Diseases</b> (Tech: Python, Scikit-learn) <ul style="list-style-type: none"><li>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.</li></ul>	Mar'21
<b>RFID-based Smart Trolley</b> (Tech: Raspberry Pi, RFID & Python) <ul style="list-style-type: none"><li>Built a smart shopping cart that uses RFID technology to mark the price of added items and generate the final receipt.</li></ul>	Mar'20
<b>Facial Recognition Based Attendance Marking System</b> (Tech: Python, TensorFlow) <ul style="list-style-type: none"><li>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.</li></ul>	Sep'19
<b>Image Captioning Model</b> (Tech: Python, TensorFlow, Flask, HTML & CSS) <ul style="list-style-type: none"><li>Implemented a web app that generates relevant titles for input images using RNN.</li></ul>	Jun'19

## HONORS AND AWARDS

[2022] First place at the Revenue Forecast Competition, held over 2 quarters at PubMatic, among more than 10 participating 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 and academic performance.

## VOLUNTEERING

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