

# 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  
*ML Engineer (Full-time)* Apr 2021 - July 2022
  - Worked at a programmatic advertising company that uses Machine Learning techniques to maximize inventory sales. Developed and maintained Spark and Hadoop pipelines for the execution of automation test suites and report generation for ML projects. Also performed unit testing and regression testing to identify bugs that could cause a reduction in model performance. Joined part-time in April 2021 with undergraduate studies and started working full time from August 2021.
- **Persistent Systems Pvt. Ltd.** Pune, India  
*Intern (Part-time)* Jan 2021 - Mar 2021
  - Joined the multi-national software product company in the senior year and underwent training in industry technologies like Java, RDBMS, Maven, and Git.
- **myMO IT Solutions** Remote  
*Intern (Part-time)* Jan 2020 - Mar 2020
  - Worked remotely at the software company for 3 months to develop a web app that extracts the table of contents of a documentation website, whilst preserving its structure.

## SKILLS SUMMARY

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

## PROJECTS

- **Revenue Forecast** (Tech: Python) (Jul '22)  
Used the FBProphet model to forecast the daily and quarterly revenue of PubMatic using real-time data. The insights and trends obtained would help while taking important business decisions.
- **Video Ads Categorization** (Tech: Python, TensorFlow, Keras, Hadoop & OpenCV) (Dec '21)  
Used the EfficientNet model to predict the metadata from video ads to help their categorization.
- **Artificial Vision for Visually Impaired** (Tech: Python, Flask, Anvil, Ionic, JUnit, PyTorch) (May '21)  
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** (Tech: Python, Scikit-learn) (Mar '21)  
Implemented a tree-based model that can predict the possibility of liver disease. Trained the model using a benchmark dataset from the UCI machine learning repository.
- **RFID-based Smart Trolley** (Tech: Raspberry Pi, RFID & Python) (Mar '20)  
Built a smart 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** (Tech: Python, TensorFlow) (Sep '19)  
Developed a desktop-based efficient attendance marking system and data analysis tool using Python. Front-end coded using PyQt5, and database management implemented using MongoDB.
- **Image Captioning Model** (Tech: Python, TensorFlow, Flask, HTML & CSS) (Jun '19)  
Implemented a web service app that generates relevant titles for input images using deep learning techniques.

## PUBLICATIONS & PATENTS

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

## 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] Among 20 Semi-Finalists 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 municipal corporation of Pimpri Chinchwad (PCMC) for exemplary performance in 12<sup>th</sup> grade examination.
- [2017] Student of the Year at Gyan Ganga International School, Pune for outstanding performance in academics and extracurriculars.

## 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 4<sup>th</sup> International Conference on Computing, Communication, Control and Automation.