

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 & APIs:** Scikit-learn, TensorFlow, Keras, Flask, Scrappy, 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.
- Extraction of Metadatas for Video Ads** (Tech: Python, TensorFlow, Keras, Hadoop & OpenCV) (Dec '21)
Used the EfficientNet model to extract 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 by evaluating given parameters, the model trained using a benchmark dataset.
- 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

- 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

- First place and a \$750 cash prize at the Revenue Forecast Competition, held over 2 quarters at PubMatic in 2022 in a team of 2, among more than 10 participating teams.
- Awarded #TeamWork individual award, with a cash reward of ₹1750 at PubMatic for significantly reducing automation backlogs and contributing to framework enhancements in 2021.
- First place and a cash prize of ₹3000 at the IET-Hackathon, PCCOE in 2021 more than 50 participating teams.
- Among 20 Semi-Finalists at Avishkar Project Competition held at an inter-university level in 2019.
- Runner-Up at Tech-Treasure Hunt Competition, PCCOE-Spectrum in 2018 among more than 80 participating teams.
- Awarded ₹12,000 scholarship by the municipal corporation of Pimpri Chinchwad (PCMC) for exemplary performance in 12th grade examination.
- Student of the Year, 2017 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 4th International Conference on Computing, Communication, Control and Automation.