

Sharvari Pradhan

San Diego, CA

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Willing to relocate: Anywhere

Work Experience

Research Assistant Under Dr. Yang Xu

September 2021 to December 2021

- # Worked on a project to calculate the velocity of blood from videos of blood flow in veins using Image processing
- # Showed that blood flows faster from middle of the blood vessel than the rest of the area using the optical flow algorithm in the OpenCV library
- # Technologies and platforms used: Python, OpenCV, Machine Learning, Image Processing, Image recognition, Computer Vision

Engineer Trainee

Vodafone Intelligent Solutions (_VOIS)

August 2020 to July 2021

Worked as a Data Analyst for Process Mining in ERP

- # Implemented a data pipeline with a Database in BigQuery and a Celonis based analysis tool, automated using Jenkins which processed 5TB data daily
- # Engineered a solution in Python to pre-process the data which saved ~3 hrs of developer's time
- # Technologies and platforms used: Python, Machine Learning, Celonis, GCP, Bigquery, Excel

Software Development Intern

Trident Services - Pune, Maharashtra

August 2018 to February 2019

- # Developed a web application that allowed remote monitoring and analysis of the performance parameters of an electricity generator saving ~10 hrs/week for the engineers who had to be present on-site to check the generators.
- # Designed the complete architecture, in a team of 4 and programmed the full stack application for displaying all the metrics on a dashboard with multiple views and a logging system.
- # Technologies & platforms used- HTML, CSS, MySQL, microcontroller (PSO500), Thingspeak platform

Education

Master's of Science in Computer Science

San Diego State University

August 2021 to May 2023

Bachelor of Engineering in Information Technology

Savitribai Phule Pune University - Pune, Maharashtra

August 2016 to June 2020

Skills

- Python
- SQL
- R
- C
- C++
- Java | Cloud: Google Cloud Platform| Databases: MySQL
- Google BigQuery
- MongoDB |
Tools & Technologies: Machine Learning
- Celonis
- Pandas
- Sklearn
- Numpy
- OpenCV
- TensorFlow
- HTML
- CSS
- PHP
- Excel
- Linux
- Computer Science