Viraj Vhatkar

Union City, CA| 510-495-4401 | virajvhatkar6@gmail.com|linkedin.com/in/viraj-vhatkar | #Vaccinated

EDUCATION

State University at New York, Buffalo   **Buffalo, USA**
Master of Science, Data Science   *May 2024*
Vishwakarma Institute of Technology   **Pune, India**
Bachelor of Science, Instrumentation & Control Engineering   *May 2022*

WORK EXPERIENCE

Photon Legal | Research Engineer| Pune, India   **Feb 2022 - August 2022**

- As a research engineer, I worked with the IP Group attorneys on tasks related to the patent and trademark filing process, including analysing patent filings and applications, developing patent strategies, obtaining trademark protection, and providing counselling on patent issues.
- Also, assisted in filing **12+** FER and OA for the patents and supported **6+** current and several potential patent litigations.

Kaustubha Udyog | Instrumentation and control engineer | Pune, India   **June 2021 - Jan 2022**

- Assisted a team of 5 colleagues in the calibration of the Electronic O-gauge in order to find out malfunctions during more than 5 testing Testing periods.
- Contributed to finding bugs in the Mobile App and The Dashboard algorithm for a smooth user interface system.
- Assisted and carried out Accuracy tests at COEP's Instrumentation Lab.
- Supported audit/inspection readiness and participated in audits and regulatory inspections as required.

Precision Camshafts Pvt. Ltd | Intern | Solapur, India   **Nov 2018 – Jan 2019**

- Contributed to production engineering and Quality Team initiatives in conducting time studies and motion economy studies of 300+ workers on production lines to increase the production output by 3%.
- Partnered with Quality Control by analysing weekly reports on 5 KPIs such as throughput, capacity utilisation and conducting root-cause analysis on problems at 12 production lines at machine shops to reduce defects.
- Audited foundry and machine shop layout plan to identify operational improvements and achieve a reduction in material transportation using 5S and VSM.

PROJECTS

Medicine Waist Pouch

- This project is an invention of a wearable Smart medicine pouch. It is based on a Global system for mobile communication GSM module which helps users by giving notifications (voice mail & message) for taking medicines on time.

A portable device to convert text language to braille language and vice-versa

- This project is an invention to convert standard text to braille and vice-versa for the visually disabled.

Agriculture Monitoring System

- The project remotely monitors and controls all farming activities and uses Python algorithms to analyze raw data collected from machinery and convert it into a user-friendly language to convey through the dashboard.

Certifications

- Tableau Data Viz Challenge 2021
- AI for Medical Prognosis
- Neural Network and Deep Learning
- Python Data Analysis
- Google analytics-Foundation
- Data Science Boot Camp
- Intermediate Relational Database and SQL
- Artificial Neural Network for Regression
- Hands-on Artificial Neural Network

Accomplishments

- *A portable, wearable smart medicine pouch.* **Patent application number-202121050676,** **Publication Number-46/2021,** Publication Date- 12/11/2021, Application Filing Date-04/11/2021
- *A portable device to convert text language to braille language and vice-versa.* **Patent application number-202221042161**

SKILLS & INTERESTS

Skills: R Studio, Tableau, Python, SQL, C, C++, Java, SAP, ERP, IOT analytics, Data Analysis, Excel
Languages: English, Hindi, Marathi **Interests:** Machine learning,