Viraj Vhatkar

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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 analyzing 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 -Jan2022**

- 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 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 analyzing weekly reports on 5 KPIs such as throughput, capacity utilization 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.

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.

HR Analytics Dashboard

- I have created an interactive dashboard that extracts valuable insights from an HR dataset. The dashboard has been published on a live website, allowing users to access and interact with the data. Users can select different filters to refine the displayed information.

Lay_off_Trend

- I have used React.js and CSS and Python Data Analysis to create insightful visualizations from the layoff dataset.

EDUCATION

State University at New York, Buffalo   **Buffalo, USA**
Master of Science, Data Science   *December 2023*

Vishwakarma Institute of Technology   **Pune, India**
Bachelor of Science, Instrumentation & Control Engineering   *May 2022*

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

SKILLS & INTERESTS

Skills: Communication, critical thinking, problem-solving, attention to detail, time management, curiosity, learning mindset, collaboration, teamwork, adaptability, business acumen, ethical mindset.

Computing Skills: R Studio, Tableau, Python, SQL, C, C++, Java, SAP, ERP, IOT analytics, Data Analysis, Excel,React js, CSS, Matlab

Languages: English, Marathi, Hindi

Interests: Playing cricket, Hiking, cooking,Cycling

This is an interactive resume, please feel free to **click on the links** to learn more about me !!! 😊