Vinuja Khatode

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EDUCATION

- **Datta Meghe College of Engineering** — Navi Mumbai, India
  (Affl. Mumbai University; B.E in Computer Engineering); GPA: 8.04/10 — *Aug 2016 - Oct 2020*

PROGRAMMING SKILLS

- **Languages**: Python, C, SQL, Java, HTML, CSS, JSON
- **Technologies and Frameworks**: AWS, GCP, Docker, MLOps, DevOps, Git, Jenkins, Kubernetes, Terraform, Linux, Django, MySQL, MongoDB, Selenium

EXPERIENCE

- **Tata Consultancy Services** — Mumbai, India
  Assistant System Engineer - Full time — *Sep 2020 - Present*
  - ETL testing of Custody Mainframe application. Analysing transactional data from centralised Data warehouse, associated with the Royal Bank of Canada(RBC). BODS jobs testing to check the ETL process of the data.
  - Automating the tasks and processes using Selenium, Python, and SIFT Application. Extensively evaluating the SQL procedures, one handedly completing tough Enhancement Requests all through, creating holdings and positions in legacy system, documenting artefacts, test fields mappings of target tables, etc.
  - Have followed the Agile model and acquainted with tools like qTest, Jira, HpALM for FST, UAT, and End-to-End testing.
  - Analyzing and understanding the requirement and executing testcases. Deriving high level test scenarios and breaking into low level test cases. Progressing the defects to closure in order to deliver bug free software and meeting the client's expectations.

- **LinuxWorld Informatics Pvt. Ltd.** — Jaipur, India
  MLOps and Hybrid Multi Cloud - Intern — *April 2020 - Sep 2020*
  - Used DevOps Tools to create pipeline for an entire MLOps product, that can automate training models from scratch for deployment and production. Integrated Docker, Jenkins, AWS, and ML for implementing six different projects and tasks.
  - Worked on multiple cloud platforms and IaC like Terraform to integrate Machine Learning, DevOps and Hybrid Multi Cloud Technologies. Published technical blogs based on executed projects.

PROJECTS

- **HYPER-PARAMETER TUNING TO INCREASE ACCURACY OF ML MODEL USING MLOPS**
  Built a model to predict COVID-19 using Kaggle's Chest X-Ray Images (Pneumonia) dataset with Machine Learning and automated the training with GitHub, Docker containers, and Jenkins to improve the accuracy of the model till the desired accuracy is achieved.
- **Face Recognition using Transfer Learning**
  Developed a model to recognize faces in live feed, video recording, and image, highlighting faces and displaying face count reusing a pre-trained model, with OpenCV and Haarcascade model. Modified model as an automated attendance system, which mails attendee count and names from the database to the administrator.
- **Deploying Infrastructure for Web Application on Amazon EKS**
  Used Kubernetes services on Cloud to launch Web Application with Load balancer i.e. Amazon Web Service EKS Cluster to launch Wordpress Application with MySQL connection with auto-scaling and persistent volume such as EFS of AWS, for efficient storage fixes using Terraform and Docker composer.
- **SAWARI: The Bikers Portal**
  Designed a web-based application to override problems prevailing in practicing the manual system using JavaScript, Bootstrap, HTML, CSS. Allows users to rent and sell bikes, and serves a recommendation system built with ML.

TECHNICAL CERTIFICATIONS

- **MLOps and Hybrid Multi Cloud** Training Certifications by LinuxWorld Informatics Pvt. Ltd.
- **Python for Data Science and Machine Learning** Certification by Udemy
- **IBM** certified Python for Data Science Course and Data Analysis with Python Course
- **Expertise in Docker** Training Certification by IIEC-RISE.

ACHIEVEMENTS & EXTRACURRICULAR

- Golden Badge for **Python** Challenge and Silver Badge for **Problem Solving** Challenge from HackerRank, 2020
- **Developer Advocate Intern** - LinuxWorld Informatics Pvt. Ltd. , 2020
- **Committee Member** - Women in Data Science, Mumbai Chapter, 2019-2022
- **Technical Volunteer and Learner Success Head** at IIEC- RISE, 2020-2021
- Training and **Placement Cell coordinator** under the Computer Department of DMCE, 2018-2020
- **Ambassador** for various programs of LinuxWorld India, 2020-2021
- **Member** - Computer Society of India, Mumbai Chapter, 2016-2020