

## EXPERIENCE

- HCL Technologies Ltd, Noida Cloud Automation Specialist 2018 - present  
Client: Equinor
- Implemented private and hybrid cloud solutions based on Software-Defined Data Center, Software-Defined Storage and Virtualization. Developed SOPs, key mobility use cases for AWS, Azure, VMware, Hybrid-Cloud IaaS/PaaS.
  - Deployed High Availability failover Cluster for VMware Orchestrator nodes for better disaster recovery mechanism.
  - Designed and enhanced the VMware Orchestrator workflows with SOAP and REST API integration for Automating Infrastructure.
- Client: Unilever
- Architecture design for Scalr Cloud Management Platform for Azure and AWS integration structure.
  - Working as Cloud Administrator on Microsoft Azure, involved in configuring virtual machines, storage accounts, resource groups.
  - Using Powershell to write, debug scripts to automate the processes and do migration of VM, involving copying and creating of VHDS.
- Punjab Engineering College, Chandigarh Research Assistant 2016 - 2018
- Taught the courses of MATLAB, Theory of Automata, Software Engineering to Undergraduates.
  - Also, took seminars on Computer Security, Ethical Hacking, Recommender Systems. Later created a course of Recommender Systems
- Click Labs Pvt. Ltd, Chandigarh Android Developer Intern 2015 - 2016
- Jugnoo app is used by Millions of people for their daily travel. Created initial designs for Jugnoo app, designed map based approach for food ordering section.
  - Fixed many bugs, and pushed the code to production.

## EDUCATION

- Punjab Engineering College, Chandigarh M.Tech in Computer Science 2016 - 2018  
Thesis Title "Modeling Product Ratings and Reviews using Latent Factors to provide Recommendations using Amazon product reviews dataset" Courses: Advanced Algorithms, Neural Networks, Fuzzy Logic, Evolutionary Computation

## SKILLS

- Languages: Powershell, Python, BASH, C++, Java, MATLAB, Javascript, SQL  
Tools: vRealize Orchestrator, Scalr, Kubernetes, Docker, Terraform, Ansible, Linux, OpenCV  
Machine Learning: scikit-learn, numpy, pandas, Tensorflow, Keras, PyTorch  
Automation: Selenium with Python, beautifulsoup4  
Technology: AWS, Azure, Android, Cloud Orchestration, REST-API, VMware

## PROJECTS

- Face Recognition with OpenCV <https://opencv-act.herokuapp.com>  
Technologies Used: OpenCV, Python, Django, PostgreSQL, Heroku  
Django Web Application with Python + OpenCV backend for image processing. Haar Cascades were utilized for better results in profile face recognition.
- Cloud Deployment with Kubernetes Designing and Deploying Highly Available Container Architecture Design  
Technologies Used: Kubernetes, Google Cloud Platform, Docker  
Deployed Nginx Server with Microservices, Monitoring and Logging. Using features from GCP like Autoscaling, Cluster Autoscaling, Load Balancer, etc.
- Realtime Group Chat Web App Flask Web Server Application  
Technologies Used: Python, Flask, SQLite3  
Web portal where a user can chat with other users on a single page chat application.
- Scraping data from web sources Web Crawler  
Technologies Used: BeautifulSoup4, Selenium  
Created a script and HTML GUI which can take user input for the capturing the datasource. The data to be captured is entailed to gather a complete list.

## CERTIFICATIONS

- Architecting with Google Kubernetes Engine: Foundations by Google Cloud Coursera  
Networking in GCP: Hybrid Connectivity and Network Management by Google Cloud Coursera  
VMware Technical Sales Professional - Management Automation VMware