



JAYKANT PRAJAPATI

Senior Analyst, HCL Technologies Limited

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Jaykant Prajapati

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WORK EXPERIENCE

HCL Technologies (October 01, 2022 - Present)
Senior Analyst

HCL Technologies Limited (September 30, 2021 - September 30, 2022)
Post Graduate Engineer Trainee

Chegg Inc [Freelance] (December 17, 2019 - January 19, 2021)
Subject Matter Expert- Computer Science

PROGRAMMING LANGUAGES & SUBJECTS

Python

Level: Intermediate

C

Level: Intermediate

JavaScript

Level: Beginner

DBMS

Data Structure and Algorithms

Lua Programming

Level: Beginner

HTML, CSS

PUBLICATIONS

IoT Based Smart Interactive Office Automation
IRJET

<https://www.irjet.net/archives/V4/i4/IRJET-V4I4204.pdf>

VOLUNTEER EXPERIENCE

ATS Infotech Pvt. Ltd. - India (June 18, 2015 - May 19, 2017)
Student Coordinator

INTERESTS

Artificial Intelligence / Machine Learning

Blockchain

LANGUAGES

English	Hindi
Working Proficiency	Native

Marathi

Working Proficiency

AWARDS

Runner Ups (April 20, 2017)
SP-TBI

Procom17: An innovative showcase project/ competition

Poject Poster Presentation: 1st Prize
CSI- SSJCOE

Executive Summary

- A individual professional with **1.5+ years** of experience in IT industry with strong academic background.
- As a Senior Analyst, I am working primarily in **research and development**, with secondary responsibilities in **APM and observability**.
- Experienced in developing and deploying end to end **Machine Learning pipeline**.
- Deployed project/code with Devops practices.
- Planing and upgrading monolthic implemetation to **microservice architecure**.
- Developing **scalable, loosely coupled** code modules.
- Developed basic functional **user interface** using HTML, CSS and Javascript.
- Implementing custom solution using open-source technologies such as **ELK stack, Nginx, Keycloak, Vault**
- Knowledge of **OpenTelemetry, Beats Agents**.

PROJECT EXPERIENCE

AIML & Development

- AI/ ML module integration with opensource technology.
- Developed **Anomaly Detection** for time series **apm data, with near to real-time latecy**.
- Developed **Predictive Analytics** module for **forcasting cloud budget**.
- Worked with Machine Learning technique such as InterQuartileRange, LocalOutlierFactor, IsolationForest, DBScan and Regression techniques.
- Worked with python libraries such as pandas, scikit-learn, numpy, joblib, multiprocessing, elasticsearch, boto3, eland etc.
- POC of user interface for AIML tool.
- Time effecient data ingest** pipeline for AWS S3 data to elasticseach using python and multi-processing.

Open Source & Others

- ELK Stack: Installing Elastic Stack, Kibana dashboards, visualizations, query language, indexing data, search, aggregation and elasticsearch-python client.
- Docker: DockerFile, docker-compose, Containerization of application/code, Running services: ELK stack, Nifi, Keycloak, Vault etc.
- Nginx : Configuration of applications/ services as reverse proxy, creating multiple upstreams, configuring SSL certifactes, and securing endpoints with OI DC.
- HashiCorp Vault: Setup Instance, to securely store, access, and manage sensitive information such as API keys, passwords, and tokens.
- Keycoak: Keycloak to secure authentication and authorization for web, configure Keycloak realms, clients, and roles to manage user access and integrate with custom , OI DC-enabled applications or third- party applications, LDAP configuration.
- GIT: Git CLI, cloning, staging changes, committing, and pushing to remote repositories.
- GitLab: source code management, creating projects, creating merge requests and CI CD pipeline.

EDUCATION

Indian Institute of Engineering Science & Technology, Shibpur (June 24, 2019 - July 30, 2021)
Master of Technology, Information Technology CGPA- 9.36

Shivajirao S. Jondhale College of Engineering, Dombivli [University of Mumbai] (June 24, 2013 - July 31, 2017)
Bachelor of Engineering, Computer Engineering 66.39% [CGPA- 7.35]

ACADEMIC PROJECTS

MTech. Project: Reinforcement learning-based Cognitive IoT network
Applying Reinforcement learning technique to minimize channel switching in cognitive Radio network.

ML: Q-Learning
Platform : Jupyter Notebook
Programming Language: Python

B.E. Project: IoT based Smart Office Automation

Using IoT to enable a good user experience for operating the electrical appliances of the office and minimize electricity wastage using machine learning techniques.

IDE: Microsoft Visual Studio
Programming Language: C#
Cloud Service: Microsoft Azure

CERTIFICATIONS

Agile Principles and Methodologies (October 30, 2022) Skillsoft Course Completion Show Credential	Functions in Python: Gaining a Deeper Understanding of Python Functions (November 01, 2022) Skillsoft Course Completion Show Credential
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Conditional Statements & Loops: Advanced Operations Using for Loops in Python (October 31, 2022) Skillsoft Course Completion Show Credential	Complex Data Types in Python: Shallow & Deep Copies in Python (October 30, 2022) Skillsoft Course Completion Show Credential
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Complex Data Types in Python: Working with Dictionaries & Sets in Python (October 30, 2022)
Skillsoft
Course Completion [Show Credential](#)