

Apurva Hajare

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EDUCATION

University of Southern California - CGPA: 3.67/4

Los Angeles, CA

Viterbi School of Engineering, Master of Science, Computer Science

August 2019 - May 2021

• Coursework: Algorithms, Artificial Intelligence, Database Systems, Natural Language Processing, Software Engineering

Shri Ramdeobaba College of Engineering and Management - GPA: 9.61/10

Maharashtra, India

Bachelor of Engineering, Computer Science

June 2013 - May 2017

SKILLS

Languages: Python, Java, SQL, C

Tools: AWS, Git, Bamboo, Jenkins, Docker, Kubernetes, Ansible, Terraform, Packer, Apache Kafka, NLTK

Web Technologies: HTML, CSS, JavaScript, Bootstrap, React

Databases: ElasticSearch, Firebase, InfluxDB, MySQL

Virtualization: vSphere, vSAN, ESXi Hypervisor

WORK EXPERIENCE

LinkedIn

Sunnyvale, CA

Site Reliability Engineering Intern

May 2020 - August 2020

- Developed highly scalable CI/CD pipelines for building and deploying Bamboo remote agents in AWS for LinkedIn's Glint Team. Build dependencies, toolchains were bundled into Amazon Machine Images (AMI) using Packer and Ansible. Boot-time configuration was injected using cloud-init.
- Managed build infrastructure as code using Terraform. Terraform state files were stored in AWS S3. Reduced deployment time for agents from 2 hours to 50 seconds using pre-built AMIs.
- Added missing monitoring and alerting for Bamboo server and remote agents using Influx's TICK stack.

VMware

Bangalore, India

Member of Technical Staff - 1 and 2

July 2017 - June 2019

- Contributed to VMware vSAN (enterprise distributed storage solution) by developing internal tools and framework to perform functional verification for new and maintaining features.
- Led design and development of functional specifications for Rebalance, Disaster Recovery and Data Resync features.

VMware

Bangalore, India

Software Engineering Intern

November 2016 - April 2017

- Developed frameworks for quick integration and scale simulation of IOT edges using Docker and Ansible.
- Implemented features like autostart, device de-registration and support for multiple metric backends to make agent management from the cloud control planes easier. [\[Github\]](#)

InfoCepts

Maharashtra, India

Software Engineering Intern

May 2016 - August 2016

- Created dashboards using MicroStrategy Developer and MS SQL to derive insights from USA crime statistics between the years of 2012-2014. Gained experience in ETL process, data model design and schema normalization.

PROJECTS

Water Cooler - Team Chat Application - [\[Github\]](#)

React, Redux, Firebase

- Built a full-stack team chat application using React, Semantic UI React for web components, Firebase for data persistence and authentication.

Customer Behavior Analysis to predict Subscription Conversions - [\[Github\]](#) Python, Scikit-Learn, Seaborn, Matplotlib

- Built a ML model to study user engagement and predict probability of a user opting into a paid subscription. Used feature engineering, hyper-parameter tuning and k-fold cross validation to improve the accuracy of model to 86%.

Lets Be Musical - [\[Demo\]](#)

HTML, CSS, JavaScript

- Created a website to play music using keyboard. Utilized Paper and Howler Javascript libraries. Hosted on GitHub pages.

Query Optimization using Data Partitioning Techniques and Materialized views

MySQL, Java

- Benchmarked performance and throughput implications of using materialized views and data partitioning for speeding up queries on big databases.

Chess Game using Gesture Recognition

MATLAB

- Created an intuitive Chess Game which detected and mapped player's hand gestures to chess moves using Image Acquisition Toolkit in MATLAB.

Sentiment Analysis of IMDB Movie Dataset - [\[Github\]](#)

Python, Scikit-Learn

- Built a sentiment analysis model on top of IMDB movies review dataset to classify them based on polarity.

VOLUNTEER ACTIVITIES

- **VMware Foundation:** Participated in citizen philanthropic activities like e-waste collection drive, plogging etc.
- **Intern for a Cause, LinkedIn:** Raised awareness and funds for Black Lives Matter and Pencils of Promise.
- **Association for Computing Machinery (ACM)**