

Chinmay Mishra

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EDUCATION

SAN JOSÉ STATE UNIVERSITY San José, CA
M.S. IN COMPUTER SCIENCE

Aug, 2017 - May, 2019

MANIPAL INSTITUTE OF TECHNOLOGY Manipal, India
B.E. IN COMPUTER SCIENCE

Aug, 2010 - May, 2014

SKILLS

Programming Languages: Python, Javascript, GO

Front-End: ReactJS

Back-End: Flask(Python), RESTful Web Services

Deployment & Orchestration: Ansible, Salt, Jenkins, Docker, Kubernetes

ETL Pipelines: Apache Airflow

Databases: MongoDB, Redis, MySQL, SQLite

Machine Learning and Deep Learning Architectures: SciKit, TensorFlow, Keras, CNN, RNN, Autoencoders, GAN

WORK EXPERIENCE

NUTANIX | MTS II | San Jose

May, 2019 - Present

- Worked on enhancing the developer productivity by introducing SCCACHE in the nutanix build system. By replacing DISTCC and electric accelerator, saving time (from 5 hours to 1.5 hours) and money (from licensed to open-source) for the company.
- Built and deployed a React web-application enabling users to query dns-mapping across all Nutanix nameservers.
- Deployed EFK stack on kubernetes as a logging solution for all services built by the team.
- Built resource management application for managers to manage their human resources. Enabled teams to derive various insights from resource allocation data.
- Automated the release process for nutanix operating system by using Apache airflow(workflow engine). Reduced the time for the release process from days to hours.
- Worked on modifying the existing test case management system. Enhancing the UI for the system by reducing the average number of clicks for a task by 2/3rd.
- Reduced the test case import time by approximately 10 times. Achieved this by using threads and doing the procedure in parallel resulting in a reduced load on the server.

HP INC. | SOFTWARE ENGINEER II | Bengaluru, India

Aug, 2014 - Jul, 2017

- Built an Automated Continuous Integration and Test Infrastructure which used the simulation platform (Qemu) to dynamically create and execute thousands of unit/integration/functional tests on printer simulators in parallel reducing the execution time of 1200 test cases from a week to 10 mins.
- Leveraged open source tools and technologies in developing a micro-service architecture based distributed system to deliver an always-on, low maintenance infrastructure.
- Designed micro-services as independent entities based on producer/consumer model, connected via queues.

PROJECTS

Missing data imputation using Generative Adversarial Network. | GAN, Tensorflow, python

May - Dec, 2018

Developing a neural network pipeline using generative adversarial network to impute missing data in various data formats.

Grammar correction using HMM and RNN | HMM, RNN, NLP, keras, c++, python

Sep - Dec, 2018

Developing a machine learning system using HMM and RNN to correct grammar using parts of speech feature of the text.

Association rule mining using genetic algorithm | Genetic algorithm, Apriori algorithm

Mar - May, 2018

Mined positive and negative association rules from a transactional database using genetic algorithms to provide more rules which resulted in better association among the target products.

ShareDrive | React, MongoDB, Python

Mar - May, 2018

Architect and implemented a file hosting service with a chat-like interface focused on making data sharing more intuitive among the users.

ACHIEVEMENTS

- Second Runner-up at BotHackathon 2017, organized by Dashbot.io.
- Runner Up, InnoApp – Mobile application development Contest 2012, e-summit at IIM Kozhikode.