

NITHISH RAJA

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in [Nithish Raja](#)

[NithishRaja](#)

INTERNSHIP EXPERIENCE

Devops Intern

Couture.ai

📅 May 2020 – Aug 2020 📍 Bangalore, India

- Set up 5 node **kubernetes** cluster and NFS on a production server
- Prepared kubernetes manifests for **dropwizard APIs** and deployed them on kubernetes
- Setup a 12 node **Ambari** cluster and multi node **ignite cluster** on production servers

Devops Intern

Couture.ai

📅 July 2019 – Dec 2019 📍 Bangalore, India

- Deployed **minIO object store** on kubernetes and tested read/write operations in minIO using python
- Set up a development grade **kubernetes** cluster (single master, three workers) with **docker-registry**, dynamic volume provisioning and **prometheus** for consuming logs
- Deployed **Ignite** on kubernetes and tested read/write operations using spark and dropwizard
- Configured **Rsyslog** to monitor logs from different services and forward them to a log server

EDUCATION

B.E. (Hons.) Mechanical Engineering

BITS Pilani, Hyderabad Campus

📅 June 2016 – May 2020

- CGPA: 7.88, Major CGPA: 10.00
- Relevant courses: Operating systems, Machine learning, Pattern recognition, Data mining and Cryptography
- Known languages: C/C++ (intermediate), python (intermediate), javascript (intermediate), shell script (beginner)

PROJECTS

Natural Selection Simulator

Python, Multi-threading

- Simulates game where each player has to find food and return home before end of day
- Attributes of players have a chance to mutate at end of each day
- [Github](#) [Dockerhub](#)

Daily Task Automation

Python, Web scraping, Twitter API, Youtube Data API, Vue

- Presents data from multiple sources in a single screen
- Some of the sources include Twitter, Youtube, multiple webpages and JSON files released by the NBA
- [Github](#) [Dockerhub](#)

Tree Visualiser

Javascript, Vue, UI

- Simple UI to display a tree where each node can have any number of children
- [Github](#) [Dockerhub](#)

Sliding Puzzle

Python, Graphs, UI

- UI for nxn sliding puzzle
- Calculates solution by performing BFS
- [Github](#)

Manga Downloader

Python, Web scraping

- Downloads manga pages by scraping websites
- Leverages multi threading to complete downloads quickly
- [Github](#) [Dockerhub](#)