

# Jayanth Katuri

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## SKILLS

### Code

JS (React, Node, Redux etc) • Python • C • Cpp • C# • bash • sql

### Tools used/Worked with

git • ELK • Redis • Docker • Nginx • Linux • Cisco Packet Tracer • AWS • Blender • graphql • Django • flask • Ionic • Unity 3D • MS Excel • Matlab •  $\LaTeX$  • MSSQL Server ...

### Extracurricular

- Badminton (*Best Badminton Player of The Year 2016*) • Cricket • Volleyball
- Dance (*1st in group dance category, Cult Night-IIIT 2015*)

## LINKS

jayanthkaturi@github.com

## EDUCATION

### International Institute Of Information Technology

- Dual Degree Computer Science
- Dean's List of Excellence (Monsoon - 2012)
- Merit List of Excellence (Spring - 2015)

## COURSES

- Statistical Methods in AI
- Advanced Computer Networks
- System And Network Security
- Distributed Systems
- Compilers
- Operating Systems
- Computer Programming

## DE SHAW | SENIOR SOFTWARE DEVELOPER

June 2018 – Present | Hyderabad, India

- Only tech member so far in our team to visit London office for 6-weeks to directly interact with traders and discuss projects.
- Got promoted in 1.5 years to a senior position as a Super Star Promotion.
- Developer/Primary Maintainer for our team's code base (React-Redux UI + Python backend, VSTO C# plugins in excel and outlook)
- Interact directly with traders (LON/NYC) for projects, requirements and Mentoring/allotting projects to junior team members.
- Ops, coordinating with other teams for various aspects, maintaining services/servers etc.
- Conduct interviews for developer roles in the firm.

## SAMSUNG RESEARCH INSTITUTE | SOFTWARE RESEARCH INTERN

May 2017 – July 2017 | Bangalore, India

- Built a Fuzzy System in python to automatically rate a driver based on his driving skills.
- Developed a deterministic self-driving car simulator in Unity 3D game engine that simulates human driving in different weather conditions. This is used for data collection in environments that are difficult for the task in real life.

## DEEPFENCE | DEVOPS INTERN

May 2016 – July 2016 | Bangalore, India

- Traveled to deploy the product in a client location mid way through internship with CEO.
- Responsibilities include deploying, testing and debugging of different components related to micro-service architectures, distributed systems and data analytics tools.
- Evaluated/used various languages and frameworks best suited for the problem.
- Worked on a tool to identify vulnerabilities in docker images.

## OTHERS | WEB APP DEVELOPER INTERN

Hyderabad, India

- Cracku (May 2015 – July 2015): Built apps in Ionic and Django.
- Fantasian (October 2014 – December 2014): NodeJs based application for monitoring a game.

## PROJECTS

- **DEEP REINFORCEMENT LEARNING AGENT** (Github)  
A scratch implementation of the Deep-Q algorithm from the famous 'Playing Atari with Deep Reinforcement Learning' paper by DeepMind.
- **EMOTION DETECTION FROM FACIAL EXPRESSIONS** (Github)  
A keras implementation of a kaggle challenge to detect emotions on a given human face. The accuracy obtained was 52.84% which is under top 15 of the public leaderboard when the competition was held.
- **TSUNAMI WAVE PROPAGATION** (Paper)  
Matlab based tsunami simulator to estimate time to shore for a given origin point.
- **NGINX AUTH PROXY** (Github)
- **DETECTION OF BUFFER OVERFLOWS IN BINARY EXECUTABLE (IA-32 AND X86-64)**