







# Yoogottam Khandelwal

Computer Science Undergraduate

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## PROJECTS

### Visual sudoku solver

Solves a sudoku puzzle "shown" to the computer via webcam or an image.

### Linux shell

A shell for linux written in C.

### Interactive matches

Developed a system which allows bots to play a multiplayer interactive game in isolation. Built for an institute fest's event.

### Anomaly Detection

Developed an IoT-based solution which performs audio based abnormal activity detection, sends alerts and reports. Deployed on campus for a few weeks.

## SKILLS

### PROGRAMMING LANGUAGES

*Day-to-day:*

Python • Bash • C/C++ • JavaScript

*Familiar:*

Go • x86 asm • Ruby • PHP • Rust

### FRAMEWORKS

Flask • gin • Express.js • ReactJS • Rails

### MISCELLANEOUS

*Comfortable:*

Docker • Kubernetes • NGINX • Flutter • MySQL • LXC/LXD

*Familiar:*

Redis • Apache

## EDUCATION

### B.Tech. (Honours) in Computer Science

IIIT Hyderabad • August'18 - April'20 • CGPA 9.68/10

### COURSEWORK

Operating Systems • Software Systems • Computer Systems Organization • Data Structures • Algorithms • IoT

### ACHIEVEMENTS & OTHER ACTIVITIES

- Dean's Merit List '18-'19.
- Qualified for ACM-ICPC '18 regionals.
- Runner Up, Megathon'19.
- Moderator of Hacking club. Organized a few capture-the-flag(CTF) competitions and held sessions on CTFs.
- Designer for the student-run magazine.

### Other courses

- Machine Learning by Stanford University
- Deep Learning specialization by deeplearning.ai

## EXPERIENCE

### Site Reliability Engineer

Alcrowd • March'20 - present

Technologies: Kubernetes, Docker, Python

### Student Systems Administrator

IIIT Hyderabad • August'19 - present

Technologies: OpenVZ, LDAP, Squid, NGINX, Nagios, networking

On-call maintenance and deployment of institute-wide infrastructure and services.

### Head, Technical Team

E-Cell IIIT Hyderabad

Technologies: Jekyll, NGINX, ReactJS, Django

Managing servers and conducting various events including one of India's largest student-run hackathon, Megathon.