Yoogottam Khandelwal

Computer Science Undergraduate

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PROJECTS

Visual sudoku solver

Solves a sudoku puzzle "shown" to the computer.

Linux shell

A shell for linux written in C supporting most of the common features.

Interactive matches

A system which allows bots to play a multiplayer interactive game in isolation.

Key-Value Store

Fast, in-memory thread-safe key-value store written in C++ using compressed tries.

Anomaly Detection

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

SKILLS

LANGUAGES

Day-to-day:
Python • Bash • C/C++ • JavaScript
Familiar:
Go • x86 asm • Ruby • PHP • Rust

MISCELLANEOUS

Comfortable:
Docker • Flutter • NGINX • MySQL • Flask • MERN stack • gin • LXC/LXD
Familiar:
Kubernetes • Redis • Apache

EDUCATION

B.Tech. (Honours) in Computer Science

IIIT Hyderabad • August'18 - present • 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.

Web Developer Intern

Virtual Labs, MHRD • Spring 2020
Technologies: Python, JavaScript

Modernized the Artificial Neural Network labs by upgrading outdated Java/Flash code to Processing JavaScript and converting legacy PHP code to Python Flask.

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.