

Mohammed Saud

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EDUCATION

Pursuing *B. Tech in Information Technology* at **Alliance University**, Bangalore.

Graduation date: May 2020; 8 total semesters

QUALIFICATIONS

- **Programming experience:**
 - Python, C, C++, HTML/CSS/JavaScript, Java, Lua, Go
 - OpenGL, GObject/GLib, jQuery, Flask, Django, numpy
 - VCS using Git, Travis CI
 - Proficiency with various Linux utils.
- **Linux experience:**
 - System management (partitioning, managing block devices, storage management)
 - Familiarity with containerization.

RELEVANT PROJECTS

Template Engine

- Created a lightweight templating engine in python.
- Added usable non-XML syntax that supports inline expressions.
- Modelled syntax after Django's templating language.
- Developed support for caching and exporting of renderer for efficient repeated rendering.

Cluster Computing Framework

- Created an easy-to-use cluster computing framework for distributed computation of python programs over a LAN-connected network of computers.
- Developed entirely in pure Python without any external dependencies.
- Implemented ability to dynamically add/remove systems to the cluster.

Chip-8 Interpreter

- Created an interpreter for the chip-8 virtual machine based on the Cosmac VIP instruction set.
- Implemented graphical backend in SDL library.

ACHIEVEMENTS AND HOBBIES

- **Hackerupt hackathon:** 1st place for collaborating and developing an educational game using Unity3D for the Xbox Kinect.
- I enjoy tinkering Linux and BSD installs and as a result have a good level of familiarity with *nix systems, from partitioning to customizing window managers to across-the-board tweaks.