

# Mohammed Saud

Bangalore, Karnataka

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## EDUCATION

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

**Graduation date:** May 2020; 8 total semesters

## QUALIFICATIONS

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

## EXPERIENCE

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### GSoC Student Developer @ Freifunk

- Worked on Retroshare as part of Google Summer of Code Program.
- Implemented an alternate Web-based interface for the decentralized communications platform.
- Improved and extended JSON API of Retroshare's GXS service.
- Developed efficient rendering and automatic caching using Mithril.js.

## RELEVANT PROJECTS

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### 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.

## ACHIEVEMENTS AND HOBBIES

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- **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.