Amar Lakshya

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'A Chemical Computer computing on Digital Computers'

Projects & Contributions

FOS - MADE TO BE OPEN: C/ASM

github.com/amar-laksh/fOS

- A Monolithic UNIX-like Kernel for the x86 and ARM (Raspberry Pi) platforms.
- ELF Parsing(with kernel parsing), PCI, Serial (ARM), Western Notes for PC Beeper and System Calls.
- Fully Functional Support for GPIO Pins (ARM) wrapped as Arduino-compatible functions.

VITAE: Python

github.com/amar-laksh/vitae

- An Esoteric, Interpreted python-built language built entirely with regular expressions.
- Designed to introduce non-technical people to programming.

JavaScript REPLAYCER: addons.mozilla.org/en-US/firefox/addon/replaycer

- A fun Browser Add-on to replace content on the web.
- Able to replace live content like twitter feeds etc.

CACHE PATCH (CORE), MOZILLA CONTRIBUTION: C++

git log | grep amar on codebase

- Worked on patching cache entries that expire immediately in the Cache core of the Mozilla codebase.
- Affects all Mozilla programs including Firefox and Thunderbird.

Python/Rust FocusTV: github.com/amar-laksh/focustv

• An extremely responsive face detection system which automatically pauses Media(YouTube and VLC Media Player) when you aren't looking.

Bash/Python

TRYINGTOKNOWYOUBETTER:

github.com/amar-laksh/TryinToKnowYouBetter

• The Election Commission's website leaks data that can be analyzed to effectively locate all registered voters.

Publications

2015 **CROSSED & KNOTTED:** amazon.in/Crossed-Knotted-Various-Authors/dp/8192997529

· Co-Author of India's First Composite Novel

2017 **BEYOND GOOD AND EVIL:** amar-laksh.github.io/beyond-good-and-evil

A paper focusing on the futility of recognizing Good and Evil as deterministic forces in the world.

Work Experience

July 2017 - Sept 2017 JUNIOR DEVELOPER (LINUX) - INTERN:

Apogee Tech Global Inc. (Bangalore)

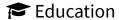
• Developed a complete, cross-platform React-based Anti-virus and Anti-malware suite.

Dec 2017 - Present

SOFTWARE ENGINEER (LEAD):

Nymble Labs (Bangalore)

• Designed the software stack, software architecture and programmed the codebase using C++, Python and ROS2 for an Automated Cook.



References

Ms. Lydia Fernandes

BSc. I.T., 3.26/4.00 - 2014-2017 St. Xaviers College, Mumbai - Autonomous xiith, 81.00% - 2013-2014

St. Peters' College, Agra **xth, 86.00%** - 2011-2012

St. Xaviers' College, Mumbai - Autonomous Professor at St. Xaviers' College lydia_fdes@yahoo.co.in, +91 9930280196

St. Peters' College, Agra