Amar Lakshya

+91 9412506677

amar-laksh.github.io
amar-laksh
amar.lakshya@xaviers.edu.in

20/2, R.K. Puram Phase-2
Taj Nagari, Agra
India - 282001

'A Chemical Computer computing on Digital Computers'

Projects & Contributions

C/ASM

FOS - MADE TO BE OPEN : *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.

Python

VITAE : *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.

C++

CACHE PATCH (CORE), MOZILLA CONTRIBUTION : *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.

Education

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. Peters' College, Agra

References

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