

# Amar Lakshya

+91 9412506677

[amar-laksh.github.io](https://amar-laksh.github.io)

[amar-laksh](#)

[amar.lakshya@xaviers.edu.in](mailto: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	<u>FOS - MADE TO BE OPEN</u> : <a href="https://github.com/amar-laksh/fos">github.com/amar-laksh/fos</a> <ul style="list-style-type: none"><li>A Monolithic UNIX-like Kernel for the x86 and ARM (Raspberry Pi) platforms.</li><li>ELF Parsing(with kernel parsing), PCI, Serial (ARM), Western Notes for PC Beeper and System Calls.</li><li>Fully Functional Support for GPIO Pins (ARM) wrapped as Arduino-compatible functions.</li></ul>
Python	<u>VITAE</u> : <a href="https://github.com/amar-laksh/vitae">github.com/amar-laksh/vitae</a> <ul style="list-style-type: none"><li>An Esoteric, Interpreted python-built language built entirely with regular expressions.</li><li>Designed to introduce non-technical people to programming.</li></ul>
JavaScript	<u>REPLAYCER</u> : <a href="https://addons.mozilla.org/en-US/firefox/addon/replaycer">addons.mozilla.org/en-US/firefox/addon/replaycer</a> <ul style="list-style-type: none"><li>A fun Browser Add-on to replace content on the web.</li><li>Able to replace live content like twitter feeds etc.</li></ul>
C++	<u>CACHE PATCH (CORE), MOZILLA CONTRIBUTION</u> : <a href="#">git log   grep amar on codebase</a> <ul style="list-style-type: none"><li>Worked on patching cache entries that expire immediately in the Cache core of the Mozilla codebase.</li><li>Affects all Mozilla programs including Firefox and Thunderbird.</li></ul>
Python/Rust	<u>FOCUSTV</u> : <a href="https://github.com/amar-laksh/focustv">github.com/amar-laksh/focustv</a> <ul style="list-style-type: none"><li>An extremely responsive face detection system which automatically pauses Media(YouTube and VLC Media Player) when you aren't looking.</li></ul>
Bash/Python	<u>TRYINGTOKNOWYOUBETTER</u> : <a href="https://github.com/amar-laksh/TryinToKnowYouBetter">github.com/amar-laksh/TryinToKnowYouBetter</a> <ul style="list-style-type: none"><li>The Election Commission's website leaks data that can be analyzed to effectively locate all registered voters.</li></ul>

## Publications

2015	<u>CROSSED &amp; KNOTTED</u> : <a href="https://amazon.in/Crossed-Knotted-Various-Authors/dp/8192997529">amazon.in/Crossed-Knotted-Various-Authors/dp/8192997529</a> <ul style="list-style-type: none"><li>Co-Author of India's First Composite Novel</li></ul>
2017	<u>BEYOND GOOD AND EVIL</u> : <a href="https://amar-laksh.github.io/beyond-good-and-evil">amar-laksh.github.io/beyond-good-and-evil</a> <ul style="list-style-type: none"><li>A paper focusing on the futility of recognizing Good and Evil as deterministic forces in the world.</li></ul>

## Work Experience

July 2017 - Sept 2017	<u>JUNIOR DEVELOPER (LINUX) - INTERN:</u> <a href="#">APOGEE TECH GLOBAL INC. (Bangalore)</a> <ul style="list-style-type: none"><li>Developed a complete, cross-platform React-based Anti-virus and Anti-malware suite.</li></ul>
Dec 2017 - Present	<u>SOFTWARE ENGINEER (LEAD):</u> <a href="#">NYMBLE LABS (Bangalore)</a> <ul style="list-style-type: none"><li>Designed the software stack, software architecture and programmed the codebase using C++, Python and ROS2 for an Automated Cook.</li></ul>

## Education

**BSc. I.T., 3.26/4.00** - 2014-2017  
*St. Xaviers College, Mumbai - Autonomous*  
**xii<sup>th</sup>, 81.00%** - 2013-2014  
*St. Peters' College, Agra*  
**x<sup>th</sup>, 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](mailto:lydia_fdes@yahoo.co.in), +91 9930280196