

Lakshmanaram

lakshmanaram.n@gmail.com • Ph.: (+91) 90 43 804100

Algorithmic programmer • Android Application developer • Open Source Contributor

EDUCATION

NIT, TRICHY (NITT)

B.TECH IN COMPUTER SCIENCE AND
ENGINEERING

Expected May 2018 | Trichy, India
Cum. GPA: 8.89 / 10.0

MAHARISHI VIDYA MANDIR

Grad. 2013 | Chennai, India
Graduating Percentage: 94.2%

LINKS

Github:// [LAKSHMANARAM](#)

LinkedIn:// [LAKSHMANARAM](#)

TopCoder:// [LAKSHMANA.RAM](#)

Hackerrank:// [LAKSHMANARAM](#)

Codeforces:// [HENRY_COLEBROOKE](#)

COURSEWORK

UNDERGRADUATE

Algorithms & Data Structures

Cryptography

Multimedia systems

Database Management Systems

Operating Systems

Computer Architecture

Computer Networks

Parallel Algorithms

Compilers*

Big Data Analytics*

Artificial Intelligence*

INDEPENDENT

Machine Learning by Andrew N G*

Design and Analysis of Algorithms

Part 1 & 2 by Stanford University

SKILLS

ALGORITHMIC CODING

ANDROID DEVELOPMENT

ROBOTICS

PROGRAMMING LANGUAGES

Over 10000 lines:

C++ • C • Python • Java

Over 5000 lines:

Shell • Octave

FAMILIAR

SQL • Git • CypherQL • UNIX •

Neo4j • Docker • Spring

EXPERIENCE

CODE NATION | SDE INTERN

May 2016 - July 2016 | Bangalore

- Worked on enhancing & productionizing a language agnostic static code analyzer tool that detects code metrics & design patterns on the source code
- Code analyzer tool also constructs a graphical visualization of the code base

SKSCRIPT | SOFTWARE DEVELOPER INTERN

December 2016 | Chennai | Project - [CVscan](#)

- Developed a resume parser CVscan which extracts key features from uploaded resume using Regex matching and Natural Language Processing.
- Developed basic Machine learning neural network models for teaching tutorials.

DELTA FORCE | SOFTWARE DEVELOPER • APPLICATION DEVELOPER

Aug 2015 - PRESENT | National Institute of Technology, Tiruchirappalli

Active member of Delta Force, the premier coding club of NIT, Trichy.

- Developed mobile applications (Android) for university related activities, student Community and technological festivals
- Problem Setter for Algorithmic contests hosted by Delta Force & Pragyan, NITT

OPEN SOURCE

INCOR PYTHON APP | [GITHUB](#) | [INCOR.READTHEDOCS.IO](#)

Authored a Python package INSTANT CODE RUNNER | 550+ downloads

- Executable files are run as and when they are modified
- Uses Watchdog APIs to track changes made in the input path
- Automatically populates the newly created files with template codes

STEGANOGRAPHY MULTIMEDIA SYSTEMS PROJECT | [GITHUB](#)

An Adaptive Least Significant Bit Steganography Technique

- Uses Chaos logistic mapping & Genetic algorithm to reduce Stego distortion

PRAGYAN'16 ANDROID APP | [GITHUB](#) | [GOOGLE PLAY STORE](#)

Developed an android application for Pragyan, India's second largest

Techno-management fest | 4500+ downloads & 4.8/5 rating

- Successfully aided the Participants & organizers during Pragyan by providing essential information from locally populated databases & periodic API calls

SUDOCABULARY BASH SCRIPT | [GITHUB](#) | [OMG!UBUNTU! REVIEW](#)

Core contributor in developing a terminal add-on for Linux and Mac that displays the vocabulary for a new word during every new terminal session

- Featured as one of the Weekly Trending Shell Projects on Github | 60+ stars

ACHIEVEMENTS AND AWARDS

2017	Ranked 8 / 250+ coders	TopCoder open Inndia Regionals'17
2017	2/495 teams	Shaastra Online Programming Contest
2017	Indian Rank 20	Topcoder rating 1648
2016	Ranked 94 / 2925 teams	ACM ICPC Amritapuri Regionals
2016	World Rank 3/660	The Great SQLizer October, Hackerearth
2016	Expert Title	Codeforces
2016	174/13000+ teams	Codechef Snackdown (India Rank 37)
2015	Most Impactful Award	Ingenius Hackathon, Bangalore