

Lakshmanaram N

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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: 8.82 / 10.0

MAHARISHI VIDYA MANDIR

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

LINKS

Github:// [LAKSHMANARAM](#)

LinkedIn:// [LAKSHMANARAM](#)

Hackerrank:// [LAKSHMANARAM](#)

Codeforces:// [HENRY_COLEBROOKE](#)

Codechef:// [SUICUNE](#)

COURSEWORK

UNDERGRADUATE

Algorithms & Data Structures

Multimedia systems

Database Management Systems

Operating Systems

Computer Organisation &

Architecture

Computer Networks

INDEPENDENT

Machine Learning by Andrew N G

Design and Analysis of Algorithms

Part 1 & 2 by Stanford University

SKILLS

ALGORITHMIC CODING

ANDROID APP DEVELOPMENT

in Android studio

ROBOTICS

PROGRAMMING LANGUAGES

Over 5000 lines:

C++ • C • Python • Java • Octave

Over 1000 lines:

shell

FAMILIAR

SQL • Git • Apache Spark • UNIX

Environment (3 years exp.)

HOBBIES

Competitive Programming

Solving Puzzles (Sudoku, Kakuro)

Watching TV Series (Narcos, BBT)

Graphic Designing

EXPERIENCE

INSTITUTE OF MATHEMATICAL SCIENCES | EXCHANGE STUDENT

May 2016 - June 2016 | Chennai

- Attended Lectures and Tutorials on advanced Algorithms, Graph Theory & logic.
- Presented a talk named "Exact Exponentiation & parameterized algorithms for Odd Cycle Transversal" to an audience of professors & research scholars

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 and technological festivals
- Problem Setter for Algorithmic contests hosted by Delta & Pragyan, NIT Trichy
- Tutor at the Algorithms Special Interest Group, NIT Trichy

OPEN SOURCE

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

Authored a Python package INstant CODE Runner with 550+ downloads

- Uses Watchdog APIs to track changes made in the input path
- Executable files are run as and when they are changed
- Automatically generates a template code on creating a new file

STEGANOGRAPHY MULTIMEDIA SYSTEMS PROJECT | [GITHUB](#)

Developed an Octave Implementation of [Eurasip Research Article](#) which

- Proposes 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](#)

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

Techno-management fest which got 4500+ downloads and 4.8/5 rating

- Successfully aided the Participants & organizers during Pragyan by providing essential information from local databases & periodic API calls
- Uses GCM to send push notifications to participants regarding sudden changes
- Has QR integrations for easy registration processes

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

Assisted 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 trending Weekly Shell projects on Github with 60+ stars

ACHIEVEMENTS AND AWARDS

2016 India Rank 70

2016 World Rank 3

2016 4 Gold, 16 Silver, 6 Bronze

2016 Expert Title

2016 Top 1000 coders

2016 2/70+ teams

2016 2/40+ teams

2016 174/13000+ teams

2015 1/30+ teams

2015 Most Impactful Award

Hackerrank Leaderboard (World Rank 666)

The Great SQLizer October, Hackerearth

Medals in various contests in Hackerrank

Codeforces

Codechef

Shaastra Circuit Design Challenge

Reverse Coding, Shaastra

Codechef Snackdown (India Rank 37)

Reverse Coding, Sampark

Ingenius Hackathon, Bangalore