

# Lakshmanaram

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## EDUCATION

### NIT, TRICHY (NITT)

B.TECH IN COMPUTER SCIENCE AND  
ENGINEERING

Aug 2014 - May 2018 | Trichy, India  
Cum. GPA: 8.98 / 10.0

### MAHARISHI VIDYA MANDIR

Grad. 2014 | 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

## SKILLS

### ALGORITHMIC CODING

### ANDROID DEVELOPMENT

### PROGRAMMING LANGUAGES

Over 5000 lines:

C++ • Python • Bash • C

Over 1000 lines:

Java • JavaScript • Octave

### FAMILIAR

SQL • GraphQL • Terraform •

Ansible • Icinga • Docker • UNIX •

Splunk • Grafana • Spring •

AngularJS • ExpressJS • Node.js

## EXPERIENCE

### BLOOMBERG L.P. | SITE RELIABILITY ENGINEER

August 2018 - Present | London, United Kingdom

- Part of Developer Workflow SRE team which provides source code management tools like Version Control System, code review & CI/CD as IaaS offerings
- Played a pivotal role in migrating Github enterprise offering within the company from a single node to a fault-tolerant clustered architecture
- Worked on productionizing and improving load balancer of our appliance
- Contributed to soak testing tools that simulate production load from logs
- Built parallelized tool that runs Intelligence Retrieval scripts on entire codebase
- Developed Logs & Metrics forwarding pipelines using rsyslog, collectd, grafana & Splunk. This reduced our MTTR from 4-6 hours to 10-15 mins
- Implemented Active monitoring (service healthchecks & usecase testing) using Icinga & Ansible, establishing an automated Incident Discovery mechanism

### CODE NATION | SOFTWARE ENGINEERING INTERN

May 2016 - July 2016 | Bangalore

- Worked on enhancing & productionizing a language agnostic static code analyzer tool(CodeGraph) that exposes code metrics & design patterns on the source code
- CodeGraph produces a graph data structure with generic language constructs as nodes and relationships between them as edges.

### DELTA FORCE | SOFTWARE DEVELOPER • APPLICATION DEVELOPER

Aug 2015 - July 2018 | National Institute of Technology, Tiruchirappalli

- Developed mobile applications (Android) for university related activities, student community and technological festivals

## 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

### 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

2018	Ranked 13 / 671 teams	ACM ICPC 2018 Regionals, Chennai
2017	Ranked 8 / 250+ coders	TopCoder open India Regionals'17
2017	2/495 teams	Shaastra Online Programming Contest
2017	Indian Rank 20	Topcoder rating 1648
2016	World Rank 3/660	The Great SQLizer October, Hackerearth
2016	Expert Title	Codeforces