

# Venkkatesh Sekar

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## EDUCATION

### NIT, TRICHY (NITT)

B. TECH IN COMPUTER

SCIENCE AND ENGINEERING

Expected May 2018 | Trichy, India

Cum. GPA: 8.42

### SHRISHTI VIDYASHRAM

Grad. May 2014 | Vellore, India

Graduating Percentage: 95%

## LINKS

GitHub:// Venkkatesh Sekar

Medium:// Venkkatesh Sekar

LinkedIn:// Venkkatesh Sekar

## SKILLS

### PROGRAMMING

Over 10000 lines

• C++ • Python • PHP

Over 5000 lines

• Ruby • Javascript • HTML/CSS

Familiar

• Java • Shell • Node • Git

### DATABASES

• MySQL • MongoDB • Sqlite

### SERVERS

• Apache • Nginx • YAWS • AWS

### WEB FRAMEWORKS

• Ruby on Rails • Laravel • Flask

## INTERESTS

System Security

Networking

Ethical Hacking

Cryptography

Kernel Development

## EXPERIENCE

### MOZILLA WINTER OF SECURITY | MEMBER

September 2016 – Present | Remote

- Worked on **BLAKE2 & ARGON2** module for Network Security Services (NSS).
- **Network Security Services (NSS)** is a set of libraries designed to support cross-platform development of security-enabled client and server applications.

### DELTA FORCE | SOFTWARE DEVELOPER + SYSTEM ADMINISTRATOR.

July 2015 – Present | NIT-Trichy, India

- Member of college's computing and programming club & college webteam.
- Developed and maintained the college site, tech-fests and local portals.

### PRAGYAN CTF | MANAGER

September 2016 – Present | NIT-Trichy, India

- Organiser of Pragyan CTF, the annual CTF event conducted by NIT-Trichy.
- 700+ teams participated with world class players from major CTF leagues like DEFCON & RuCTF.

### DIPPER | SOFTWARE ENGINEERING INTERN

November 2015 – December 2015 | Delhi, India

- Developed a **Global Navigation Satellite System (GNSS)** based truck tracking system to support freight logistics between different Metropolitans of India.
- Built an API in **Ruby on Rails** to populate custom **Geofences, Points of Interest** and compute real-time pit stops and routes to minimize travel cost.

## PROJECTS

### VOICE-TUTOR July 2016 | github.com/thakkarparth007/voice\_tutor

- Voice call based tutor capable of delivering audio lessons, progress tracking and clearing doubts. Supports English and Hindi.
- Worked with **Google Cloud Services**, **Wolfram Alpha**, **Exotel** & **MEAN** Stack.

### BLOCKHASH Dec 2015 – Present | github.com/Spockuto/blockhash

- Multi-threaded SHA for large files optimizing the speed by over 50%.
- Worked with **Merkle Trees** & Python **multiprocessing** and **hashlib** module.

### GITHUB-FOLLOW Nov 2015 | github.com/Spockuto/github-follow

- Dynamic follow button for Github users for their personal websites.
- Experimented with **Github API** & **Cross origin resource sharing**.

### REMOTE-PRINT Oct 2015 – Present | github.com/Spockuto/Remote-Print

- Web application to support platform independent remote printing.
- Worked with **Laravel 5.1**, **Twitter Bootstrap** & **OpenLDAP**.

### FIX CLIENT Sep 2015

- Built a module to make fast and secure stock transactions using **FIX protocol**.
- Developed the module for a finance sector startup focussed in **Netherlands**.

### CAUGHT Sep 2016 | github.com/Spockuto/caught

- Built a shell script to capture pictures of eavesdroppers.

## AWARDS

2016 2nd

2016 Finalist

2016 223rd

2015 Linux Essentials

2014 1st

2011 4th

2006 1st

**InOut**, India's largest student based Hackathon, NIT Surat.

Capture the Flag, **Microsoft Build the Shield**

**Google Capture the Flag** worldwide

**Linux Professional Institute**, Toronto, Ontario, Canada

Mathematical Quiz, State Level, **VIT**

6th National Interactive Maths Olympiad, **Eduheal Foundation**

Japanese Soroban Mental Maths National Competition