

# Chandhanu M K

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## EDUCATION



**PSG Institute of Technology and Applied Research**

*B.E. Computer Science & Engineering* | 2015 - 2019 | CGPA 8.29/10 | FIRST CLASS

## EXPERIENCE



**HPE Research & Development** - *System Software Engineer* | JULY 2019 - PRESENT

- Developed NSHTTP - deep port of Apache webserver in the NONSTOP systems - high availability server in MISSION CRITICAL LABS, in middleware layer.
- Designed and developed the manageability scripts and configuration module of NSHTTP (from shared-memory arch. of Apache into shared-nothing arch. of Nonstop systems)
- Designed and built a parser for TCL programming language.



**HPE Research & Development** - *Research Intern* | JAN 2019 - JUNE 2019

- Developed many automation projects in the middleware layer of NonStop systems



**PSG Institute of Technology and Applied Research,** - *Cloud Intern* | NOV 2017 - JAN 2018

- Deployed Cloud project with Prof. Shabari Ram using Openstack and offered services like block storage, compute, and networking services. (Conf. 2TB 32GB RAM + 1TB, 16GB RAM )
- *Ezhili* built with the aim of effectively using several underutilized industrial-grade rack servers belonging to the college and also had a successful test run by a Kerala based start-up.



**SHAKTHI RO** - *Web developing and Online Marketing trainee* | JAN 2017 - PRESENT

- Developed websites for Shakthi Power systems and RO with social and online marketing

## PROJECTS

### EDDIE - a personalized voice assistant

- Developed a personalized voice assistant with customized sound profiles that can perform actions, answer queries, and have a general conversation while and reply to the queries from Android Users
- *Technology: Java, Python, Lyrebird, IBM Watson*

### Kenny - a stock market analysis system for stock recommendations

- A basic stock market analysis system that highlights better performing stocks to the user based on a variable time-period set customizable by the user.
- *Technology: Python, Google Finance API, Machine Learning*

### Calibro - an automation project that reminds us to calibrate medical equipment (MRI, CT ...)

- A web-application, addressing a Medical Industry Automation problem reminding to calibrate intensive medical equipment maintained by PSG Institute of Medical Sciences & Research

## HONORS & AWARDS

### **Outstanding Contribution Award** - *Leading Web developer of Yuktaha 18* | **MARCH 2018**

For designing the website for a national level intercollege technical symposium

### **Outstanding Contribution Award** - *EZHILI- Private Cloud* | **MARCH 2018**

Deployed cloud services for efficient utilization of underutilized resources  
(College's Industrial-grade rack servers)

### **Top Coder (Second)**- *KRIYA - PSG College of Technology* | **2017**

For designing the website for a national level intercollege technical symposium

### **Do the Best (First)** - *ADVAYA17* | **SEP 2017**

For designing a fully functional web application in 1 hour.

## EXTRACURRICULAR

### **Joint Secretary** - *Computer Science and Engineering Association* | **MARCH 2018 - APRIL 2019**

- Directed Technical Seminars by inviting accomplished professors from different domains.
- Administered Yuktaha - technical symposium with CS workshops and technical events.
- Coordinated a website development team in making Yuktaha a success.
- Conducted coding and social events to motivate and encourage interaction among juniors.

### **Lead Web Developer & Organiser** - *Yuktaha:18 - National Technical Symposium* | **MARCH 2018**

- Administered an intercollege technical symposium which had 20+ workshops, 20+ technical events, and 10+ coding events which accumulated over 600 participants.
- Led a website development team in making Yuktaha 18 which generated over 1000+ paid registrations.

### **Vice-Captain** - *Football zonal and division tournament* | **FEB 2018**

- Won second place in district level football tournament organized by Anna University.

### **Website Developer & Organiser** - *Yuktaha:17 - National Technical Symposium* | **FEB 2017**

- Lead front end developer of an intercollege technical symposium.
- Organized a website developing competition.

### **Ed-Support Member of MAD** - *Make A Difference* | **2016 - 2017**

- Education supporter and teacher of Science and Math for orphaned kids in shelter homes.

### **Treasurer** - *English Literary Forum* | **AUG 2015 - APRIL 2016**

- Organized plays and enacted many social challenges faced by youths.

## SKILLS

- |              |             |           |
|--------------|-------------|-----------|
| ❑ Apache     | ❑ Python    | ❑ Django  |
| ❑ C/C++      | ❑ Openstack | ❑ Web Dev |
| ❑ Automation | ❑ ML        | ❑ NonStop |

## COURSES

- Advance Python (HPE)
- CISCO Certified Network Associate Module I & Module II
- Machine Learning A-Z Udemy