

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

- Collaborated and developed NSHTTP - deep port of Apache web-server in the NONSTOP systems - high availability server in MISSION CRITICAL LABS, in the middleware layer of NSK.
- Streamlined the design and manageability framework through novel configuration techniques in NSHTTP (into an unconventional shared-nothing architecture of the Nonstop Kernel)
- Designed and developed the migration tool which helps replacing all existing ITP web servers to new NSHTTP web servers with a newly developed built-in parser for TCL programming language with ease and zero interaction.

HPE Research & Development – *Nonstop (research) Intern* | JAN 2019 - JUNE 2019

- Developed 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)
- *The Ezhili* was built to effectively use the underutilized industrial-grade rack servers owned by the college which also had a successful test run by a Kerala-based start-up.

SHAKTHI RO- *Web developing and Online Marketing trainee* | JAN 2018 - PRESENT

- Developed websites and strategizing digital marketing for Shakthi Power systems and Sai Aqua

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 600 intensive medical equipments maintained by PSG Institute of Medical Sciences & Research

- *Technology: Front-end (HTML, CSS, JS), Back-end (Python), DB: MySQL, PDF tools*

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 & Event Administrator - *Yuktaha:18 -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 & Event Organiser - *Yuktaha:17 - 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 Literature Forum* | **AUG 2015 - APRIL 2016**

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

SKILLS

- | | | |
|---------------------------------------|-----------------------------------|------------------------------------|
| <input type="checkbox"/> Python/Shell | <input type="checkbox"/> C/C++ | <input type="checkbox"/> Apache |
| <input type="checkbox"/> NonStop | <input type="checkbox"/> Web Dev. | <input type="checkbox"/> Django |
| <input type="checkbox"/> OpenStack | <input type="checkbox"/> ML | <input type="checkbox"/> WordPress |

COURSES

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