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OBJECTIVE:

Aspiring to pursue a Masters in Computer Science specializing in General Computer Science to explore the domain, gain further technical knowledge, and hone my existing skillset. Post this program, I want to start my career by working for a startup and growing along with the company. I intend to practically apply the knowledge learned during the coursework. In the long run, I want to set up a startup in my home country which will offer solutions to problems faced by developing countries and support their economies and people by creating opportunities.

EDUCATION:

B.E. Computer Science and Engineering, PSG Institute of Technology and Applied Research (PSGiTECH), Coimbatore

CGPA: 8.29

2015 - 2019

RELEVANT COURSES:

Programming & Data Structures I & II, DBMS, Operating System, Design & Analysis of Algorithm, Software Engineering, Object-oriented Programming & Design, Compiler Design, Grid & Cloud computing, Discrete Mathematics, Graph Theory & Applications.

WORK EXPERIENCE:

HPE Research and Development

System Software Engineer (Research)

Jul 2019 - Present

- Collaborated and developed the next generation Web Server NSHTTP, a Deep port of open-source Apache web server into the NONSTOP systems, a highly reliable, self-healing, fault-tolerant & high availability server with 99.99999% uptime in the MISSION CRITICAL LABS, in the middleware layer of NSK.
- Streamlined the entire design of the 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 will replace all the existing ITP web servers to new NSHTTP web servers with the newly developed built-in parser for the embedded TCL programming language with ease and zero interaction while preserving the security configurations of the replaced ITP web servers which most of the banks, Stock market companies, and MNCs.

Shakthi Power Systems

Web design and Online Marketing (part-time)

Jan 2018 - Present

- Developed websites and digital marketing services through designed posts using photoshop and Canva. Searched for potential clients for local businesses- Shakthi Power systems and Shakthi RO. Developed a python tool that uses WhatsApp API in order to gain potential customers from a large contact pool.

RESEARCH EXPERIENCE & INTERNSHIP:

HPE Research & Development

Research Intern in Mission Critical lab NonStop

Jan 2019 - June 2019

- Developed automation projects in the middleware layer of NonStop systems. Serverclasses, environments, TCP/IP providers, backlinks, ports need to be configured for each deployment, starting and stopping web servers which include expert Guardian/NSK programming and consume time.
- Whole processes are automated single-handedly with python as an interface in which any non-guardian developer/beginner can easily deploy/start/stop a web server and a backend server in seconds.

PSG Institute of Technology and Applied Research

Cloud Intern

Nov 2017 - Jan 2018

- Deployed Cloud project with **Professor(Senior Grade)** for research purposes, using open-source Openstack and offered block storage, compute, and networking services. (Conf. 2TB 32GB RAM + 1TB, 16GB RAM)
- Ezhili, a private cloud infrastructure, built to effectively use the underutilized industrial-grade rack servers owned by the college also had a successful test run by a Kerala-based start-up.

RELEVANT PROJECTS:

EDDIE - a Personalized voice assistant, PSGiTECH

Aug 2018 - Mar 19

- Developed a personalized intelligent voice assistant in a team of 4 under the guidance of Dr. Hamsapriya T to emulate a human-like interaction with a user while replying to the queries, (for Android 7+ Users).
- It has customized sound profiles that perform actions such as sending an SMS with audio typing, make/receive calls, and answer queries.
- Technology: Java, Python, Lyrebird, IBM Watson

KENNY - for stocks recommendations, PSGiTECH

2018

- Developed a basic stock market analysis system in a team of four to highlight better-performing stocks to the user based on a variable time set (customizable by the user).
- Technology: Python, Google Finance API, Machine Learning

INDEPENDENT PROJECTS:**CALIBRO - an automation project that notifies/cautions to calibrate medical equipment**

2018

- A web application addressing a Medical Industry Automation problem reminding to calibrate 600 intensive medical equipment such as MRI, ECG, CT, etc. maintained by the PSG Institute of Medical Sciences & Research.
- The calibration time of each equipment varies based on its type, previous runs and activities, and previous setup. CALIBRO is developed to produce a schedule and intimate the staff to calibrate a particular machine.
- Technology: Front-end (HTML, CSS, JS), Python, Django, MySQL, PDF tools

E-JANITOR – Filters out essential emails/SMS's from spams

2017

- A Naïve Bayes classifier project to filter out essential emails from a flood of spam emails. The Model is trained in the latest EURON CORP dataset.
- Technology: Python, Machine Learning

TECHNICAL CERTIFICATIONS & COURSES:

- Advance Python Programmer, HPE Research & Development 2020
- Problem Solving, Hackerrank 2020
- CCNA: CISCO Certified Network Associate in Module I, 2018 and Module II 2019

HONORS & AWARDS:

- Received the Star Point Recognition Award, NonStop, HPE Research & Development 2019 - 2020
- Received the Outstanding Contribution Award, National Technical Symposium, YUKTAHA18 and YUKTAHA17 Mar 2019
- Received the Outstanding Contribution Award, EZHILI- Private Cloud Mar 2019
- Joint Secretary, Computer Science and Engineering Association Mar 2018 - Apr 2019
- Lead Web Developer and Events Administrator, YUKTHAHA18- National Technical Symposium Mar 2018
- Received TopCoder award and stood 2nd in a hackathon, KRIYA, PSG College of Technology Feb 2018
- Ranked 1st in 'Do The Best'- a Real-world Problem-solving competition, ADVAYA17, PSGiTECH Sep 2017
- Vice-Captain, Ranked 3rd in district-level football zonal tournament, Anna University 2018
- Ed-Support Member and Teacher for orphaned kids in shelter homes, MAD - Make A Difference 2016 - 2017
- Treasurer, English Literature Forum Aug 2015 - Apr 2016