Chandhanu M K

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EDUCATION

RUTGERS UNIVERSITY
M.S. in Computer Science
📅 April 2024   📍 New Brunswick, NJ
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PSGITECH
B.E. in Computer Science
📅 April 2019   📍 TN, India
Graduated with First Class 8.29/10

CERTIFICATIONS

Advanced Python Programming - HPE R&D, 2020
ProblemSolving - Hackerrank, 2019
CCNA: CISCO Certified Network Associate - CISCO, 2019

HONORS

STAR RECOGNITION AWARD
HPE R&D, 2020 and 2022
For the contributions to the development of Next-gen WebServer and designing manageability frameworks.

OUTSTANDING   CONTRIBUTION AWARD - CLOUD TECH
PSGiTech, 2019
For Building a private cloud infra. and hosting startup projects.

OUTSTANDING   CONTRIBUTION AWARD - LEAD WEB DEV
PSGiTech, 2019
For Web designs and Automation projects for the College.

JOINT SECRETARY
PSGiTech, 2017 - 2018
Administered two National Hackathons and led the website development team as the Joint Secretary of the Computer Science & Engineering Association.

VOLUNTEER
Make a Difference, 2016 - 2018
Volunteered to support and teach under-priviledged kids at PSG Homes.

SKILLS

PROGRAMMING
Python • Django • C/C++ • HTML/CSS • • JavaScript • SQL • Shell • PHP

MISCELLANEOUS
Apache • Ansible • OpenStack • Git • Linux

EXPERIENCE

SYSTEM SOFTWARE ENGINEER
HPE Research & Development, HPC labs
📅 July 2019 - August 2022   📍 Bengaluru, India
- Collaborated and Developed the next-generation Web Server NonStopHTTP(NSHTTP) for NonStop systems, a 100% fault-tolerant system for mission-critical environments.
- Streamlined the entire design of the manageability framework through novel configuration techniques in NSHTTP on top of the unconventional SHARED-NOTHING architecture of NSK.
- Led the implementation of a cross-platform migration tool with a TCL(Embedded Language) parser to replace the NonStop system's legacy web servers with the new NSHTTP web servers.

SOFTWARE/WEB DEVELOPER
Shakthi Power Systems & RO | Sai Aqua Solar Care
📅 August 2020 - June 2022   📍 Coimbatore, India
- Implemented tailored billing and inventory management systems thereby reducing the manpower by 75%.

NONSTOP SYSTEMS INTERN
HPE Research & Development, Mission Critical Labs
📅 January 2019 – June 2019   📍 Bengaluru, India
- Designed and revamped python plugins to create Ansible playbooks to interact with legacy subsystems capable of delivering 100% fault tolerance in the NonStop systems.
- Automated the whole process single-handedly and deployed python applications to help non-native developers easily deploy a web server and/or backend server in seconds without NSK programming.

CLOUD COMPUTING INTERN
PSG Institute of Technology & Applied Research
📅 November 2017 – January 2018   📍 Coimbatore, India
- Deployed Private Cloud infra. using Openstack with services for compute, storage, networking & monitoring for better utilization and fault tolerance. Hosted and monitored startup products

PROJECTS

⬡ **EDDIE - PERSONAL VOICE ASSISTANT**
PSG Institute of Technology & Applied Research
📅 December 2018 – April 2019   📍 Coimbatore, India
- Developed a personalized intelligent voice assistant in a team of 4 to emulate a human-like interaction and engage an autophobic audience with customizable voices to mitigate loneliness.
- **Technology:** Android SDK, Java, Django, Python, Lyrebird.ai, IBM Watson.

⬡ **CALIBRATION MANAGEMENT SYSTEM**
PSG Institute of Technology and Applied Research
📅 August 2018   📍 Coimbatore, India
- Automated the calibration management system i.e., calibrating Diagnostic Medical Imaging Equipment (MRI, CT, PET, and related devices) promptly to eliminate the increased risk of false diagnoses due to inaccurate results.
- **Technology:** Python, Django, JS, MySQL, PDF tools.