

# Chandhanu M K

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🔗 chandhanu in chandhanu-m-k

🌐 chandhanu.com

## EDUCATION

### RUTGERS UNIVERSITY

M.S. IN COMPUTER SCIENCE

📅 April 2024

📍 New Brunswick, NJ

Member of Rutgers Recreation

### 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-privileged 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.