

Chandhanu Mohan Kalamani

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Experience

- System/Software Engineer** Hewlett Packard Enterprise - R&D *Bangalore, India* **07/2019 - 08/2022**
- Collaborated on developing the next generation **NonStopHTTP(NSHTTP) webserver** for NonStop systems, a **high fault tolerant HPC**, contributing to 53% of the total revenue of NonStop systems, HPE, 2022 Q2.
 - Led the implementation of a **cross platform migration tool** for replacing the NonStop system's legacy web servers, achieving an **80% customer adaptation** within four months of release.
 - Streamlined the manageability framework by designing a Templating engine(Jinja), integrating all NonStop middleware products, and meeting **2020 Q1 & Q2 goals** ahead of schedule.
- Intern - Mission Critical Labs** Hewlett Packard Enterprise - R&D *Bangalore, India* **01/2019 - 07/2019**
- Innovated and optimized Ansible playbooks, enhancing the efficiency of DevOps software deployments.
 - Redesigned the Linux middleware manageability plugins, ensuring the timely launch of the NonStop HTTP server.
- Software Engineer, Intern** Shakthi Power Systems *Coimbatore, India* **01/2017 - 12/2018**
- Automated tailored inventory management systems (Django), *reducing human intervention by 75%*.
 - Designed responsive websites and marketing pages, *increasing social media reach by 33% and sales by 46%*.
- Research Intern** PSG Institute of Tech and Applied Research *Coimbatore, India* **12/2016 - 03/2017**
- Deployed a private cloud infrastructure with OpenStack, leading to successful commercialization and revenue generation, profiting the institution.
 - Orchestrated and hosted a Nationwide Technical Symposium within the re-constructed infrastructure, securing the prestigious Best Innovating Institution Award from the Tamil Nadu Government in 2017.

Education

- Masters In Computer Science** Rutgers University-New Brunswick *New Jersey, USA* **08/2022 - 05/2024**
- Majoring in Computer Science with a 3.75/4 GPA, graduating in May 2024.
 - Technical Support Specialist - Digital Classroom service, refereeing sports tournaments for Rutgers Recreation.
- Bachelor of Science** PSG Institute of Tech and Applied Research *Coimbatore, India* **08/2015 - 12/2019**
- Graduated with distinction, earning a CGPA of 8.3 (First Class) in Computer Science and Engineering.
 - Demonstrated leadership as the elected Joint Secretary of the Computer Science and Engineering Association and active membership in the Student Rotary Club.

Projects

- **EDDIE**: Developed a voice assistant for autophobia positive patients using GPT3, LyreBird, OpenAI, GCP, Python, Django, JS, and MySQL. **(02/2023)**
- **Calibro**: Revamped the calibration management process of diagnostic medical devices through Django, reducing medical errors by 23% in 60 hospitals managed by PSG Institute of Medical Science and Research. **(07/2019)**

Skills

- Python | Django | JavaScript | C++ | C | MYSQL | NOSQL | Git
- Apache | NonStop | Automation | OpenStack | Jenkins | Ansible | Google Cloud Platform
- RESTful API | Microservices | Backend | Web Design and Development | Full-Stack Development | Tableau

Honors and Awards

- **Star Recognition Award**: Acknowledged for outstanding and impactful contributions, NonStop Labs, HPE. **(02/2022)**
- **Outstanding Contribution Award**: Recognized for exceptional contributions, including pioneering research for the development of a Private Cloud Infrastructure. **(03/2019)**
- **Make a Difference**: Devoted time and expertise to assist underprivileged children through educational initiatives, fostering community development. **(01/2016-01/2018)**

Certifications

- Advanced Python Programmer, Hewlett Packard Enterprise, Bengaluru. **(08/2021)**
- Cisco Certified Network Associate, Cisco **(06/2019)**
- Advanced DataStructures and Algorithm and Advanced ProblemSolver, Hackerrank **(2017)**