

Chandhanu Mohan Kalamani

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Experience

System/Software Engineer Hewlett Packard Enterprise - R&D *Bangalore, India* **07/2019 - 08/2022**

- Collaborated in developing the next-generation NonStopHTTP web server for the high fault-tolerant Tandem NonStop System(HPC), contributing to an impressive 20% of the total revenue for NonStop systems at HPE in 2022 Q2.
- Led the team in architecting a cross-platform migration tool, laying the foundation for a strategic vision.
- Spearheaded the swift implementation of the tool, replacing the NonStop system's legacy web servers and achieving a remarkable 90% reduction in the manual effort.
- Streamlined the manageability framework pipeline by designing a Jinja Templating engine with Ansible playbooks, seamlessly integrating all NonStop middleware products resulting in streamlined deployments by 25%.

Intern - Mission Critical Labs Hewlett Packard Enterprise - R&D *Bangalore, India* **01/2019 - 07/2019**

- Engineered an API-driven backend monitoring service with WSGI, drastically reducing average load time to milliseconds, contrasting with the previous 1-minute load time.
- Conceptualized and automated Python manageability plugins for the Apache web server deployments ensuring timely launch of NonStopHTTP web server, exceeding 2020 Q1 & Q2 goals ahead of schedule.

Software Engineer, Intern Shakthi Power Systems *Coimbatore, India* **01/2017 - 12/2018**

- Automated inventory management systems using JS, Django, and MongoDB, reducing human intervention by 75%.
- Elevated Shakthi Power Systems' pitch and visibility by representing the company in Business Network International(BNI), resulting in a 20% increase in business connections and collaborative opportunities nationwide.

Research Intern PSG Institute of Tech and Applied Research *Coimbatore, India* **08/2016 - 03/2017**

- Deployed a private cloud infrastructure with OpenStack, leading to successful commercialization and revenue generation.
- Orchestrated a Nationwide Technical Symposium within the re-constructed infrastructure, cutting down costs by 20%.

Education

Masters In Computer Science Rutgers University-New Brunswick *New Jersey, USA* **08/2022 - 05/2024**

- Majoring in Computer Science with a 3.78/4 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 - 05/2019**

- 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.

Projects

- **MindReader AI:** Devised an AI and reinforced learning model to filter fabricated news. Utilizes ChatGPT-4, Python, RESTful API, Docker, and seamlessly integrates with Google Docs (GCP) for input retrieval. **(07/2023)**
- **EDDIE:** Crafted a voice assistant catering to autophobia-positive patients, employing GPT3.5, LyreBird, OpenAI, Python, Django, JS, and MySQL. Orchestrated within a Docker container for seamless deployment **(02/2022).**

Skills

- Python | Django | JavaScript | Shell | C++ | C | MYSQL | NOSQL
- Apache | NonStop HPE | OpenStack | Linux | Ansible | RESTful API | Google Cloud Platform | Docker
- Git | 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 developing a Private Cloud Infrastructure. **(03/2019)**

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)**