

Chandhanu Mohan Kalamani

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Experience

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|--|---|---|
| System/Software Engineer | Hewlett Packard Enterprise - R&D | <i>Bangalore, India</i> 07/2019 - 08/2022 |
| <ul style="list-style-type: none">• Collaborated in developing the next-generation NonStopHTTP web server for the high fault-tolerant Tandem NonStop System(HPC), contributing to an impressive 53% 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 | <i>Bangalore, India</i> 01/2019 - 07/2019 |
| <ul style="list-style-type: none">• Engineered an API-driven backend monitoring service with WSGI and FastAPI, 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 | <i>Coimbatore, India</i> 01/2017 - 12/2018 |
| <ul style="list-style-type: none">• Automated tailored inventory management systems using Django, and MongoDB, 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 | <i>Coimbatore, India</i> 08/2016 - 03/2017 |
| <ul style="list-style-type: none">• 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

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|--|---|---|
| Masters In Computer Science | Rutgers University-New Brunswick | <i>New Jersey, USA</i> 08/2022 - 05/2024 |
| <ul style="list-style-type: none">• 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 | <i>Coimbatore, India</i> 08/2015 - 05/2019 |
| <ul style="list-style-type: none">• 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)**