

## About

I have skill in various programming languages including C, C++, Python, and databases like SQL and MySQL. Proficient in HPC and parallel programming such as OpenMP, MPI, and GPU programming like CUDA. Understanding of Data Structures & Algorithms and Operating Systems. Completed PG-Diploma in High Performance Computing in Application Programming and has good knowledge of Job scheduling, Slurm workload manager, and Shell script. Knowledge in Cloud Computing, Docker, AWS, and Machine Learning. Also, completed Industrial Training Certificate on Network Essentials and worked on a project related to Real-Time Stock Exchange Data Integration and Processing on HPC Cluster using Python, Jupyter Notebook, MySQL, YFinance API, and HPC Cluster.

## EDUCATION

<b>PG-Diploma in High Performance Computing in Application Programming</b>	Sep '22- Mar '23
<b>Advance Computing Training School CDAC</b> <ul style="list-style-type: none"><li>with 64.71%</li></ul>	Pune, India
<b>B.E in Computer Science &amp; Engineering</b> <b>Rajiv Gandhi Proudhyokigi Vishwavidyalaya</b> <ul style="list-style-type: none"><li>Graduate with 69.60%</li></ul>	Aug '15- May '18 Bhopal, MP
<b>Diploma in Computer Science &amp; Engineering</b> <b>Rajiv Gandhi Proudhyogiki Vishwavidyalaya</b> <ul style="list-style-type: none"><li>Diploma with 69.33%</li></ul>	Aug '10- May '13 Bhopal, MP
<b>Class 12th Board</b> <b>Govt H S School</b> <ul style="list-style-type: none"><li>68.8% in MP Board</li></ul>	Mar '09- Mar '10 Gangiwara, MP

## KEY SKILLS

C	C++	Python	Cloud Computing	OOPS Concept	SQL	MySQL	Linux	OpenMP	MPI
Cuda	Slurm Workload Manager	Docker	AWS	Shell Script	High Performance Computing				
Job Scheduling at Cluster	Operating System	Machine Learning	DevOps						

## PROFESSIONAL EXPERIENCE

### Technical Support Engineer - Pine Labs

Total Experience - 3.6 Years

- Served as the primary point of contact for support related to owned solutions and products.
- Responded to support requests from end-users and patiently walked them through basic troubleshooting tasks.
- Effectively explained technical information in clear terms to non-technical individuals to promote better understanding.
- Assessed system hardware and software and recommended modifications to reduce lag time and improve overall speed.
- Communicated with stakeholders to share critical technical information and deliver project updates.

## TRAINING

- Completed Industrial Training on Network Essentials from Smriti Netcome Pvt. Ltd. Bhopal

## PROJECT

- Implemented **real-time stock exchange data integration and processing on a high-performance computing (HPC) cluster** using Python, Jupyter Notebook, MySQL, and YFinance API.

- Utilized HPC cluster to optimize data **processing and analysis for improved performance**.
- Implemented Data Integration of **Real Time and Historical Data of various Stock-Exchanges** through an API in a MySQL databases.
- Analyzed stored data as one example of doing more with Information Technology in Finance.
- Implemented HPC Cluster to reduce latency in data integration process and applied optimization techniques.
- Optimized data integration process using various techniques, analytics and visualization of Machine Learning model to make predictions.

## Hobbies

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- Enjoy exploring new places and cultures through **free traveling**. Passionate about staying active and maintaining a healthy lifestyle through **running**.