

# Joseph John

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## EDUCATION

- 2019 - Present **Ph.D in High Performance Computing**  
*Australian National University, Australia.*
- 2022 (5 months) **Research Internship**  
*Innovative Computing Laboratory, USA.*
- 2012 - 2014 **Master of Technology in Network Engineering**  
*Mahatma Gandhi University, India.*
- 2006 - 2010 **Bachelor of Technology in Computer Science & Engineering**  
*University of Calicut, India.*

## RESEARCH EXPERIENCE

- PhD
  - **Inter-device Task Migration (Ongoing):** Explores load balancing between different GPU devices in a node, in the context of a task-based dataflow runtime.
  - **Inter-node Task Migration:** Explores distributed load balancing between different nodes, in the context of a task-based dataflow runtime.
- Masters
  - **Replication Strategy in Grid Using Domination set:** Developed a new replication strategy for grids using the concepts of domination set. The paper was accepted in student symposium of IEEE International conference on High Performance Computing (HiPC 2014).

## PROFESSIONAL EXPERIENCE

- 5.2016 - 2.2019 **Assistant Professor**  
*Rajagiri School of Engineering and Technology, India.*
- 6.2015 - 5.2016 **Assistant Professor**  
*Sahrdya College of Engineering and Technology, India.*
- 12.2014 - 4.2015 **Assistant Professor**  
*College of Engineering, Poonjar, India.*
- 06.2010 - 12.2011 **Co-Founder & Senior Executive**  
*Sanctuary Info Systems Pvt Ltd, India.*

## PROGRAMMING LANGUAGES & TOOLS

- Languages
  - Proficient in C, C++, Python

- API & Standards
  - Proficient in MPI, OpenMP, CUDA
  - Experience with OpenCL, SYCL
- Profiling
  - Experience with HPC Toolkit, Score-P
- Visualization
  - Experience with Sensei, Ascent
- Containers
  - Experience with Docker, Singularity

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## ACHIEVEMENTS

- ANU Fee Remission scholarship awarded by the Australian National University.
- ANU PhD Scholarship (International) awarded by the Australian National University.
- Graduate Aptitude Test in Engineering (GATE) scholarship awarded by the Ministry of Human Resource Development, Government of India from 2012 to 2014.
- Qualified prestigious National Eligibility Test (NET), conducted by University Grants Commission (UGC), Government of India.

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## REFERENCES

- **Dr. Joshua Milthorpe**  
Lecturer, Australian National University  
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- **Dr. Peter Strazdins**  
Assoc. Professor, Australian National University  
Email : peter.strazdins@anu.edu.au