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HPC Registration Form

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Gender	Male
Department	Computer Science and Engineering
Category	B. Tech. Student
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Project Name	Security Aware Scheduling
Project Description	This research focuses on developing advanced scheduling algorithms for distributed computing systems that optimize both performance and security. The project implements and compares multiple scheduling approaches including HSMS (Heterogeneous Security-aware Makespan minimizing Scheduler), Q-Learning based reinforcement learning schedulers, and SHIELD/ANYSHIELD security enhancement algorithms, Genetic Algorithms, and Other approaches which includes Learning techniques like A3C
Project Domain	Machine Learning,
Compilers/ Softwares needed	Python, Numpy, Pandas, Torch, Seaborn, Matplotlib, and other Standard Python libraries like collections, heapq, copy, random etc..
Size of Dataset	2GB
Minimum duration to complete the present job	24Hrs

Undertaking

I here by declare that I will not use this account for any purpose other than project/research work connected to College of Engineering Trivandrum/Any other Govt. Engineering Colleges. Misuse, if any, will cause immediate termination of the account without any notice.

Signature of
Applicant

Name & Signature Dr. Piyoosh P
of Guide/
Supervisor

Name & Signature Dr. Ajeesh Ramanujan
of HOD

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