About Organisation

Name of Company:	KLA
Date of Establishment:	1997-01-08
Number of Employees:	18,000
Social Media Page Link:	https://www.linkedin.com/company/klacorp/mycompany/verification/
Website:	https://www.kla.com/
Type of Organization:	MNC (Foreign Origin)
Location of Head office:	Milpitas, California
Nature of Business:	Core Engineering & Technology

Internship Profile

Job Title: HPC Internship

Job Description: Parallel Computing Internship Opportunity

KLA Corporation, KLAC (NASDAQ) - a leading provider of process control and yield management solutions, partners with customers around the world to develop state-of-the-art inspection and metrology technologies. These technologies serve the semiconductor, data storage, LED, and other related nano electronics industries. With a portfolio of industry-standard products and a team of world-class engineers and scientists, the company has created superior solutions for its customers for over 40 years. Headquartered in Milpitas, California, KLA has dedicated customer operations and service centres around the world. Additional information may be found at www.kla-tencor.com

Who are we? We research, develop, and manufacture the world's most advanced inspection and measurement equipment for the Semiconductor and Nano electronics Industries. We enable the digital age by pushing the boundaries of technology, creating tools capable of finding defects smaller than a wavelength of visible light. We create smarter processes so that technology leaders can manufacture high-performance chips—the kind in that phone in your pocket, the tablet on your desk and nearly every electronic device you own—faster and better. We're passionate about creating solutions that drive progress and help people do what wouldn't be possible without us. The future is calling. Will you answer?

Intern Roles and Responsibilities

To explore state-of-the-art technologies in high performance computing to advance the AI + HPC + Cloud solutions that are leveraged in KLA's products. The scope of the technologies includes new HW architectures (such as GPUs, AI accelerators, and FPGAs), compiler stacks, and SW with a focus on image processing, and AI technologies including Machine Learning and Deep Learning.

• Your responsibilities will include:
• Design and analysis of algorithms
• Research the solution space
• Develop concepts
• Prototype and validate concepts
• Specify software requirements
• Software/algorithm development (productization/programming)
• Preferred Qualifications
• Knowledge and understanding of computer architecture are highly desirable
• Solid background in design and analysis of algorithms is desirable
• Good demonstrated programming skills in modern C++ is desirable
• Experience with heterogenous parallel computing (including GPU) is a plus
• Analytical skills, problem-solving skills (quantitative & algorithmic)
• Ability to work in a team, and contribute to the team effort
• Experience with image processing / signal processing / machine learning is a plus
• Proficiency in Python, DL frameworks, distributed computing, Linux operating system internals, compiler level optimizations will be a big plus

Minimum Qualifications
• Bachelor's or Master's level degree in Computer Science, AI, EE

Work Location: Chennai

Minimum No. of Hires:	10
Expected No. of Hires:	10
Location(s)/Place of Posting/Online:	Chennai
Skillset:	Please refer JD
Minimum CGPA:	7.5
Project Details:	Please refer JD
Students with backlog eligible:	No

Selection Process

Resume Shortlist:	No
Mode of Selection:	Virtual
Resume shortlisting before test?:	No
Test:	Yes
Mode of Test:	Online
Test duration (minutes):	90
Aptitude/Psycometric:	No
Technical:	Yes
Group Discussion:	No
Personal Interview:	No
Technical Round:	Yes
HR Round:	Yes
Medical Test:	No

Eligible Academic Programs

Diversity Recruiting:	No
Eligible Years:	Graduating in 2026 (Pre-Final Year Students) - B.Tech / Dual / Master's
Eligible Departments:	B.Tech in Biochemical Engineering & Biotechnology, B.Tech in Chemical Engineering, B.Tech in Civil Engineering, B.Tech in Computer Science & Engineering, B.Tech in Electrical Engineering, B.Tech in Electrical Engineering (Power and Automation), B.Tech in Energy Engineering, B.Tech in Engineering Physics, B.Tech in Engineering and Computational Mechanics, B.Tech in Materials Engineering, B.Tech in Mathematics & Computing, B.Tech in Mechanical Engineering, B.Tech in Production & Industrial Engineering, B.Tech in Textile Engineering, B.Tech and M.Tech in Biochemical Engg & Biotechnology, B.Tech and M.Tech in Chemical Engineering, B.Tech and M.Tech in Computer Science & Engineering, B.Tech and M.Tech in Mathematics & Computing

Stipend Details

Stipend (per month) (In INR Per Month):	250,000 INR Per Month
Accommodation:	Yes
Any other perks/ benefits/ components:	Travel Reimbursement, Company provided food, Insurance

Provision of PPO based on performance?   Yes

Tentative CTC for PPO select: 50,00,000 INR Per Annum