Research Scientist (PhD)

**JOB**

1st year Annual Base CTC: 35,00,000 INR

1st year Annual Overall CTC: 37,00,000 INR

1st year Annual Overall CTC detailed break up  
35,00,000 INR + 2,00,000 JB

1st year approx. Monthly salary: 265,152

2nd Year approx. Annual Base CTC: 35,00,000 INR

2nd Year approx. Annual Overall CTC: 35,00,000 INR

2nd Year approx. Annual Overall CTC detailed break up  
35,00,000 INR

2nd year approx. Monthly salary: 265,152

**Test duration:**60 MIN. OR LESS

**Can apply? :**Single role

**Company:**Ola

**Eligibility Criteria:**

Minimum CGPA - 7

**Program:**

* PhD (in Science)
* PhD (in Engineering)

**Discipline:**

**Job Location:**

Bangalore

**Skillset:**Expertise in developing advanced algorithms in Deep Learning, Computer Vision, and Reinforcement Learning, with strong mathematical foundations and experience in sensor modalities and frameworks like TensorFlow and PyTorch.

**Placement Process:**CV Screening, Online Test, Technical Interview, HR Interview

**Job Description**

About Us:  
Krutrim is at the forefront of building AI computing for the future, encompassing AI computing infrastructure, AI Cloud, multilingual and multimodal foundational models, and AI-powered applications. As India’s first AI unicorn, we have pioneered the development of the country’s first foundational AI model. Our AI stack empowers consumers, startups, enterprises, and scientists globally to build AI applications and models. Our work spans foundational models across text, voice, and vision, and includes the development of AI training and inference platforms with far-reaching impact across various sectors.  
The Applied AI team at Krutrim is dedicated to advancing AI through research in large language models, representation/embedding models, multimodal research (text/vision/speech), retrieval-augmented generation, and multimodal foundation models.  
Job Role :  
Our Ph.D. research program targets exceptional candidates pursuing advanced research in AI, with a strong focus on developing groundbreaking models and contributing to the AI community. Selected candidates will collaborate with senior researchers to push the boundaries of AI, contributing to high-impact projects and leading to publications in top-tier conferences.  
Responsibilities:  
Lead the design and development of innovative AI models, including LLMs and multimodal models, contributing to Krutrim's cutting-edge research.  
Conceive, design, and implement novel experiments and prototypes to explore new approaches in large language and multimodal models.  
Drive the collection, preprocessing, and preparation of large datasets for training, fine-tuning, and evaluating AI models.  
Write high-quality code in Python and related libraries, adhering to best practices in software development and research.  
Stay at the forefront of AI research by continuously exploring the latest methodologies, contributing to the AI community through high-impact publications, conference presentations, and open-source projects.  
Mentor junior researchers and interns, guiding them through complex research challenges and project development.  
Qualifications:  
Ph.D. candidate in Computer Science, Artificial Intelligence, Machine Learning, or a closely related field from a top-tier institution.  
A strong research background with demonstrated publications in top-tier conferences in areas such as natural language processing, deep learning, large language models, ASR, TTS, diffusion models, or image understanding.  
Proficiency in Python and experience with frameworks such as PyTorch, Megatron LM, and DeepSpeed.  
Extensive experience with cloud platforms (AWS, Azure, Google Cloud) and data analytics tools.  
Experience in API development, Gradio for rapid prototyping, and the implementation of state-of-the-art generative models for inference and fine-tuning.  
Deep mathematical expertise, particularly in algorithm design, statistics, and linear algebra.  
Exceptional problem-solving skills and a demonstrated ability to work independently and collaboratively.  
Proven experience in guiding and mentoring junior researchers, with a strong commitment to advancing AI research.