RIDDHIMAN MOULICK

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EDUCATION

Indian Institute of Technology, Kharagpur CGPA: 9.08/10.00	2020 - 2024
Major: Electrical Engineering Minor: Computer Science & Engineering Micr	o: Artificial Intelligence
City International School, Pune Grade: 96.8% Higher Secondary (C	BSE) 2018 – 2020
The Bishop's School, Undri, Pune <i>Grade: 98.4%</i> Secondary School (ICSE) 2006 – 2018
Work Experience	
Software Developer Oracle IDC, Hyderabad	Jul' 2024 – Present
 Built an agentic service for pipeline failure detection and resolution 	[Python, Java, OCI, Oracle 23ai DB]
Automated the resolution of frequently occurring failures in the build-d applications while building and utilizing a continually incrementing know	
Devised a custom controllable cloud-native CI/CD pipeline framework	[Java, REST, Kubernetes, Jenkins]
Designed microservices and Oracle-Kubernetes Engine (OKE) hosted rest tructure, to enhance resource efficiency and provide granular control over	
 Optimized execution speed of long-running regression (LRG) tests 	[Java, Preact, Podman, Jenkins]
Introduced parallelization of LRG tests in monolith applications consider	ring test inter-dependencies.
Designed a visual analytics tool for infrastructure monitoring [P]	ython, Oracle APEX, Shell Scripting]
Developed and analyzed metrics to track and maintain optimal load dist	ribution across 1,500+ cloud resources.
Student Researcher CVIR & CNeRG, IIT Kharagpur	Aug′ 2023 – Jun′ 2024
Transferable Knowledge Systems Prof. Abir Das, Prof. Saptarshi Ghosh (CSE, IIT K	(haragpur)
• Developed an on-the-fly prompting technique with language attribut catastrophic forgetting in class-incremental continual learning while also	

• Designed a **fully source-free**, actively controlled student-teacher based knowledge refinement mechanism to perform **test-time adaptation** with continually changing target domain distributions.

Applications Developer Intern | Oracle IDC, Hyderabad

May 2023 – Jul' 2023

Context-Aware Assistant for Personalized User Support
 [Python, Oracle Digital Assistant, NodeJS]
 Enhanced *Becky* digital assistant with a user action recommendation feature that proactively initiates contextual
 conversations and suggests actions based on real-time analysis of user activity and system processes.

PUBLICATIONS/PREPRINTS

- Convolutional Prompting meets Language Models for Continual Learning [%] | In Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) 2024 Anurag Roy, Riddhiman Moulick, Vinay K. Verma, Saptarshi Ghosh, Abir Das
- Source-Free Controlled Adaptation of Teachers for Continual Test-Time Adaptation | Under Review

SELECTED PROJECTS

- ▷ EquiStrat [�] Computing Dominant Strategies and Nash Equilibria in Normal Form Games
- Skiller State Stat

SKILLS

- **Programming Languages**: Python, C, C++, Java, PL/SQL, JavaScript, Verilog, Assembly, LATEX
- Tools & Libraries: PyTorch, Tensorflow, OpenCV, Docker/Podman, Jenkins, cURL, Git, Matlab, Stateflow

AWARDS AND ACHIEVEMENTS

- Nominated to receive the **Systems Award**, 2024 for the best thesis amongst all graduating students in the department
- Awarded the Chanakya Graduate Fellowship, 2024 by AI4ICPS, IIT Kharagpur
- Achieved a joint All India Rank 6 and city rank 1 in ICSE Class X with an aggregate score of 98.4%