

Shivangana Rawat

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EDUCATION

- **Indian Institute of Technology, Hyderabad** CGPA: 9.76
Master of Technology - Computer Science and Engineering *August 2020 - June 2023*
- **A.P.J Abdul Kalam Institute of Technology, Lucknow**
Bachelor of Technology - Computer Science and Engineering (Among Top 5 students) *July 2015 - June 2019*

EXPERIENCE

- **Stellantis** Bangalore, Karnataka
Senior AI/ML Engineer *Feb 2024 - Present*
 - Driving the integration of Large Language Models (LLMs) into automotive applications to enhance vehicle performance and elevate customer experience.
 - Architected and developed an automated test generation framework to streamline and improve the efficiency of validation processes for complex automotive systems.
- **Fujitsu Research** Bangalore, Karnataka
Applied Researcher *July 2023 - Feb 2024*
 - Collaborated with the Generative AI team to integrate large language models (LLMs) into customer-facing products.
 - Leveraged LLMs to manipulate point cloud scenes based on natural language instructions.
- **Indian Institute of Technology, Hyderabad** Hyderabad, Telangana
Research Assistant at Lab1055 *August 2020 - June 2023*
 - Conducted research at the intersection of computer vision, deep learning, and limited supervision under the mentorship of *Dr. Vineeth N Balasubramanian (IITH)*.
 - Collaborated with *Dr. Wei Guo (University of Tokyo)* to leverage deep learning methodologies for high-throughput plant phenotyping.
 - Authored and had 3 papers accepted in leading journals and conference workshops.

PUBLICATIONS

- Shivangana Rawat, Chaitanya Devaguptapu, Vineeth N Balasubramanian. Partial Label Learning meets Active Learning: Enhancing Annotation Efficiency through Binary Questioning. **DMLR workshop at ICML 2023 (Accepted at 2 more workshops at ICML 2023)**
- Shivangana Rawat, Sai Vikas Desai, Vineeth N Balasubramanian. RADIAL: Random Sampling from Intelligent pool for Active Learning. **ReALML workshop at ICML 2022**
- Shivangana Rawat, Akshay L Chandra, Sai Vikas Desai, Vineeth N Balasubramanian, S. Ninomiya, Wei Guo. How Useful is Active Learning for Plant Organ Segmentation. **Plant Phenomics, vol. 2022**

SKILLS SUMMARY

- **Data Science :** Pytorch, Langchain, Numpy, Pandas, Scikit-learn, OpneCV
- **Programming Languages :** Python, C, C++
- **Other Skills :** Git, L^AT_EX

SERVICES

- Project Mentor for 5 graduate students as part of a professional program in Artificial Intelligence and Emerging Technologies 2021 jointly offered by IITH and NSE TalentSprint.
- Teaching Assistant for CS5480: Deep Learning (Spring 2022 and 2023) and CS5500: Reinforcement Learning (Spring 2022) at IITH.

ACHIEVEMENTS

- Secured AIR-481 in GATE 2020 CSE.
- Secured AIR-51 in JEST 2020 TCS.