Shanya **Sharma**

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Experience

Walmart Labs   *Bangalore, India*
SOFTWARE ENGINEER III   *Aug 2020 - Present*
- Responsible for the research and development of a node aware platform to uptimally assign tasks to store and warehouse associates using operations research and constrains solving. Observed a 50% improvement in the metrics through the POC developed using Google OR-Tools.
- Responsible for integration of Directme-Core and Directme-STA with logging and monitoring frameworks like Prometheus, Grafana, Splunk etc.
- Developed an elastic push gateway using Apache Flume to receive data metrics, aggregate and push to a Kafka Topic.
- Developed services for Return and Recall Management System for Walmart Stores. Received spot award for the contribution.

BigScience Workshop
OPEN SOURCE CONTRIBUTOR   *May 2021 – Present*
- Working with metadadata workgroup responsible for training Language Models with metadata to enable controllable text generation.
- Working on creation of multilingual evaluation datasets for bias evaluation in Language Models.
- Contributed to the development of PromptSource tool.
- Contributed to the creating and fixing incorrect prompts used in the training of T0.

SAP Labs   *Bangalore, India*
DEVELOPER ASSOCIATE   *July 2018 – August 2020*
- Developed micro services from scratch for deployment of business objects in various ERP system as part of Test Data Engineering.
- Improved reliability of the Transactional Data Framework by proposing and developing a module to monitor the availability of ERP systems
- As a member of the Machine Learning group, worked on the development of a tool to classify tickets into various defect categories based on the text
- Researched and developed a pipeline for detecting anomalies in the interface connections using Macrobase analytics engine
- Developed and maintained automation tools to increase productivity of the quality assurance team

Indian Institute of Information Technology   *Jabalpur, India*
RESEARCH INTERN   *May 2017 – July 2017*
- Worked on a generating class-level documentation of given object-oriented code by using micro-patterns under the guidance of Prof. Atul Gupta
- Proposed and modified the parsing approach to improve the detection of the micro patterns. An improvement of minimum 2 relevant micro-patterns was observed for each tested class
- Performed experiments to test the code-coverage and proposed an extension to the list of micro-patterns

Education

Shri Govindram Seksaria Institute of Technology and Science (S.G.S.I.T.S.)   *Indore, India*
B.E. IN ELECTRONICS AND INSTRUMENTATION ENGINEERING (GPA: 8.31/10)   *2014 - 2018*
- Within the top 5 students of the class
- Recipient of CSS Scholarship (2014-2018)

Publications

2022	**How sensitive are translation systems to extra contexts? Mitigating gender bias in Neural Machine Translation models through relevant contexts** **Shanya Sharma**, Manan Dey and Koustuv Sinha (Under Submission) arXiv 2022
2022	**You reap what you sow: On the Challenges of Bias Evaluation Under Multilingual Settings** Zeerak Talat, Aurélie Névéol [and 14 others inluding **Shanya Sharma**] Workshop on Challenges & Perspectives in Creating Large Language Models, ACL 2022
2022	Stephen H. Bach, Victor Sanh [and 25 others inluding **Shanya Sharma**] **PromptSource: An Integrated Development Environment and Repository for Natural Language Prompts** Spotlight, ICLR 2022
2022	Victor Sanh, Albert Webson, Colin Raffel, Stephen H. Bach, [and 38 others inluding **Shanya Sharma**] **Multitask Prompted Training Enables Zero-Shot Task Generalization** Demo Track, ACL 2022
2020	**Shanya Sharma**, Manan Dey and Koustuv Sinha. **Evaluating gender bias in NLI Systems.** WDCS Workshop, NeurIPS 2020
2019	**Shanya Sharma** and M. Dey **Assessing viewer's mental health by detecting depression in YouTube videos.** AISG Workshop, NeurIPS 2019

Volunteer Experience

	Reviewer EMNLP(2022), ICLR(2022), NeurIPS (2020-2022), ICML (2020-2022), ACM CHIL (2021-2022), ML4H
	NeurIPS(2019-2021), WDCS NeurIPS(2019)
	Volunteer ICML(2020), WiML NeurIPS(2019-2020)
	Open Source Contributor Google BIG-bench, HuggingFace Datsets, COVID Tracing App Simulator,
	Sub-Project of Peer-to-Peer AI Tracing App delegated by Prof. Yoshua Bengio
2020	**Community member** Omdena
2020	**Software Development Volunteer** DaanMatch

Honors & Awards

2019	**Finalist** SAP 1 Billion Lives Asia Pacific Regional
2019	**Most Promising Fresher** SAP Labs S4HANA Test Engineering

Invited Talks

Using Python to analyze YouTube content for depression

BANGPYPERS   *August 2019*

- Invited as one of the speakers for a session organized by BangPypers, a community of more than 9,000 Python enthusiasts

Leadership Roles

TAFLE

CO-FOUNDER   *April 2019 - Dec 2019*

- Co-founded TAFLE, a startup focused on enabling circular economy, as part of SAP's 1 Billion Lives Initiative
- One of the top 5 finalists to present at the APJ level

Ingenious, S.G.S.I.T.S. Literary Club

PRESIDENT   *May 2017-May 2018*

- Conducted and supervised the organization of various literary events including Liter-O-Mania 2017: S.G.S.I.T.S. literary fest and Kavyanjali 2017, a state level hindi poetry competition

S.G.S.I.T.S. Robotics Club

COMMITTEE MEMBER   *May 2015-May 2017*

- Organized various college-level workshops and led the organization of a college-level technical quiz competition.